Maritime Heritage Minnesota

Ann Merriman

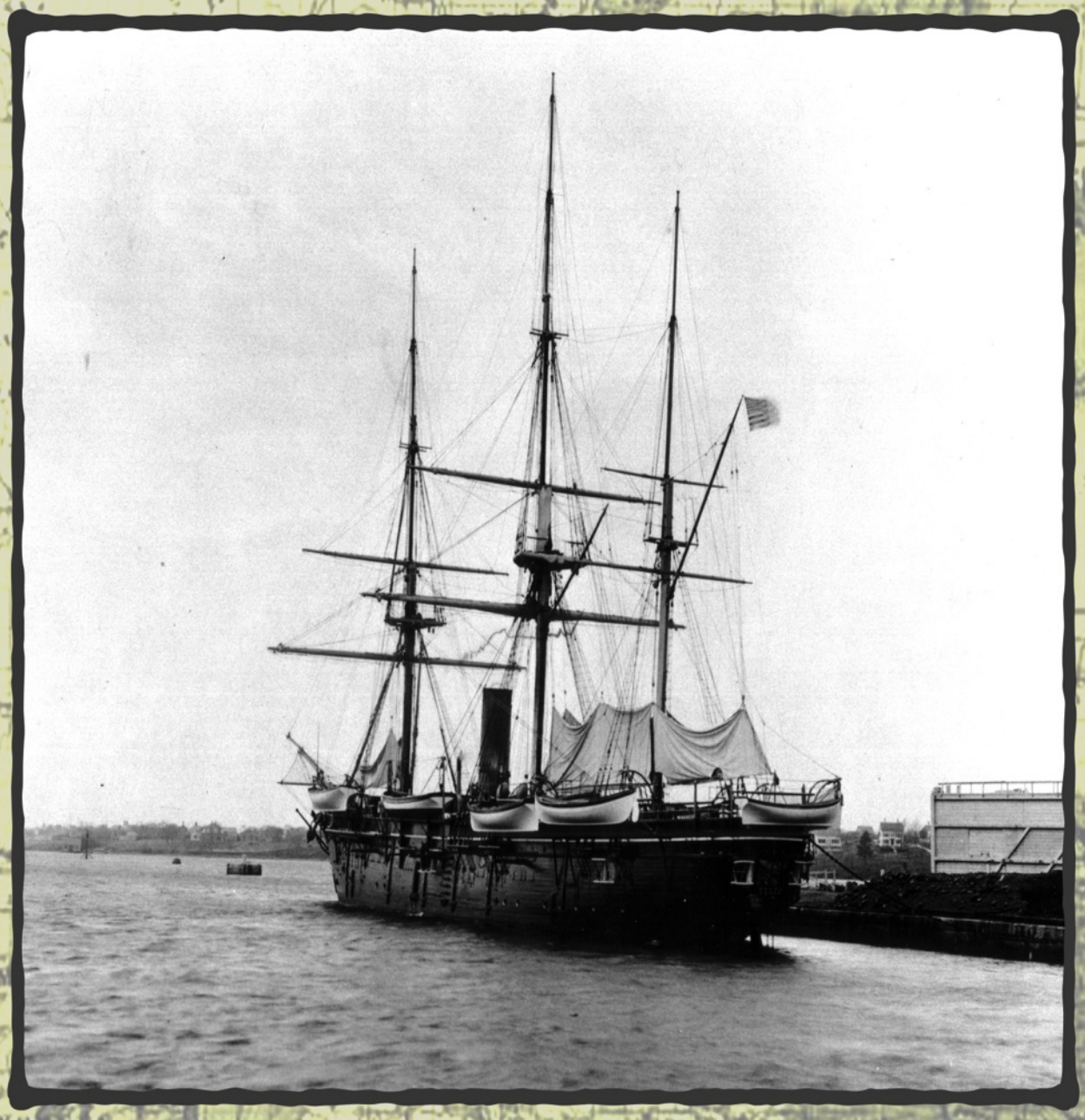
Christopher Olson

CLEAN WATER LAND & LEGACY AMENDMENT

Log Book 7 of the USS Essex

April 26, 1879 - October 22, 1879

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship



© 2018 Maritime Heritage Minnesota, Ann Merriman, Christopher Olson

Maritime Heritage Minnesota

USS *Essex* Log Book 7

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The digitization and editing of the USS *Essex* log books were made possible with funding provided by the Minnesota Historical and Cultural Heritage Grant

program, part of the Arts and Cultural Heritage Fund of the Clean Water, Land and Legacy Amendment.

Log Book 7 of the USS *Essex*: April 26, 1879 - October 22, 1879

The National Archives houses USS *Essex* Log Book 7. Throughout Log Book 7, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed) casting deep sea lead for soundings
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- crew conducting ship maintenance: engine maintenance/repair, general ship cleaning, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, tarring down rigging, airing of rigging, repairing stays, repairing yards and booms, loosed sails to dry, repairing sails, turned and cleaned hammocks,
- crew conducting drills: furling and unfurling sails, target practice with the main battery (great guns), boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, general quarters drills, small arms drills, fire drills
- Marine Guard infantry tactics drills
- cadet/apprentice drills: signaling drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection
- liberty parties sent ashore

- crew members are discharged at their own request (DOR)
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- Sunday services after the reading of the Articles for Better Government of the Navy

At the beginning of Log Book 7, on April 26, 1879, the USS *Essex* was at anchor in Montevideo, Uruguay under Commander Winfield Scott Schley. The Commanding Officers of corvette HMS *Garnet* and gunboat HBN *Elk* visited *Essex*, and an American brigantine and a Pacific Mail Steamship Company (out of New York) steamer anchored in the Bay of Montevideo. The Italian gunboat *Volace* came down the river and anchored in the bay and the Italian gunboat *Governolo* went to sea.

The Bay of Montevideo was very busy and crowded during the month of May in 1879. *Essex* detached some cadet midshipmen and ordered them to the US Naval Academy in Annapolis for examinations. and a ship's Ensign was placed under suspension for inflicting an illegal punishment on a crewman. *Essex* was informed of funerals on board HMS *Garnet* and the Brazilian corvette *Trajano*, and lowered her colors to half mast in recognition. Salutes were heard fired by *Garnet* in honor of renewed diplomatic relations between Uruguay and the United Kingdom. Flagship USS *Hartford* entered the Bay of Montevideo and anchored, with her Commanding Officer visiting Commander Schley on *Essex*; the Commanding Officer of the French gunboat *Bruat* visited Schley as well. Several ships arrived at Montevideo including a Lambert and Holt (an British company) and Pacific Mail steamer. Also, a French steamer left the river and anchored in the bay while the HMS *Elk* and two other British steamers arrived from Buenos Aires and headed up river. A Pacific Steam Navigation Company (out of England) steamer, Italian steamer, Uruguayan gunboat, and two Pacific Mail steamers went to sea; one of the mail steamers carried mail from *Essex* for delivery in the US. The HMS *Garnet* and gunboat HMS *Mallard* also left the harbor.

The crew dressed *Essex* with the Uruguayan flag on the mainmast in honor of Uruguayan Independence Day on May 18. Brazilian ironclad *Sete de Setembro* anchored in the Bay of Montevideo and fired a salute that was answered by several other ships. A French admiral visited Flagship USS *Hartford*, and two Essex ensigns were sent to Hartford to participate in a court martial. A Pacific Mail steamer from Valparaiso, Chile, French mail and Royal Mail steamers, two American ships - a barque-rigged whaler and barkentine - all anchored in the bay. Italian corvette *Governolo* fired a salute while flying the French flag on her foremast and the French frigate, Flagship *Venus*, flew the Italian flag and returned the salute. On May 24, Flagship *Hartford* fired a salute in honor of Queen Victoria's birthday while *Essex* was dressed with Uruguayan flag on her mainmast; all the foreign men-of-war in the port fired salutes in answer. The Commanding Officer of the Brazilian corvette *Trajano* boarded the *Essex* to visit with Commander Schley.

In late May, several ships arrived at Montevideo and anchored, including two Lambert and Holt steamer steamers, a Pacific Mail steamer, the Spanish corvette *Consuelo*, the French warship *Factique***, a German steamer; two American whalers shifted their berths to accommodate the arriving ships. Meanwhile, an English gunboat, a Brazilian corvette, and French steamer leave the harbor, while the French gunboats, *Venus and Bruat*, left Montevideo but returned later in the same day. A US Admiral* visited the Brazilian ironclad *Sete de Septembro*. The HMS *Garnet* entered the Bay of Montevideo and anchored and raised the Uruguayan flag on her mainmast. She then fired a 21-gun salute, and then a 13-gun salute while flying the French flag. The French Flagship *Venus* fired a 13-gun salute in answer to the *Garnet*.

Commander Schley ordered the crew to dress the *Essex* with the Italian flag at the mainmast and fired off a salute in recognition of the Italian Republic Day on June 1. *Essex* recorded AWOL crewmen regularly in the ship's log - usually the men were over-due on shore liberty, often drunk. However, one AWOL *Essex* crew member was found on the American whaling bark *Amolda*; when discovered, he was returned and confined on board the ship. Commanding Officer Schley visited HMS *Garnet* and *Venus* engaged in target practice. Several vessels arrived at Montevideo and anchored including the Italian gunboat *Volace*, the American bark *Sarah A. Staples*, and steamers from Pacific Mail, Italy, Brazil, France, Germany, and the Pacific Steam Navigation Company. Further, a Lambert and Holt steamer and a Brazilian gunboat left the Bay of Montevideo while the *Factique*** shifted her berth within port and and then went upriver. On June 10, USS *Hartford* fired a salute while flying her colors on her foremast. Italian and German steamers anchored in the harbor and an American three-masted schooner traveled upriver. With its flag at half-mast, the Uruguayan fort fired its guns for 23 minutes on June 12; reason unknown. HMS *Mallard* came to anchor while *Sete de Setembro* and *Venus* left the bay.

On June 16, the Spanish bark *Sebastian Cunsia* "*in getting underway fouled us on port quarter and did the following damages vis Both whale boats davits bent one sleeve bent and one broken Whale boat davit cleat lost overboard Whale boats strong back cracked Life buoy staff broken five plate and box lost overboard buoy guard broken and part of it lost overboard. supporting chain lost overboard. After section of Poop rail and five of the supporting stanchions broken and three of the sockets for same drawn out. spanker boom crotch cracked and the crotch brasses bent. Hook of spanker gaff slings broken. Plank shear moulding and spanker boom chafed. Whale boats falls stranded and after guy of davit and port spanker vang carried away*." The ship's carpenters commenced repairs to the *Essex* the next day, but most of the damaged items were sent ashore to Montevideo for repairs. The Italian gunboat *Governolo* left harbor and *Essex* prepared for an incoming storm by lowering the light yards; when the storm hit the ship, a second anchor was dropped for safety and stability.

On June 20, Commander Schley ordered the *Essex* be dressed with the English flag at the mainmast in honor of Queen Victoria's accession to the throne; *Hartford, Garnet,* and the shore battery fired salutes in commemoration. A Lambert and Holt steamer arrived at Montevideo and an American barkentine set out to sea. On June 24, heavy

weather moved into the Bay of Montevideo; Essex took water over her bow and rail for two days. Due to the rough seas, an American bark (possibly *Sarah A. Staples* mentioned above) could not secure her anchor berth and blew into the bay with her ensign upside-down as a sign of distress; she was towed to anchorage abreast of Custom House by a Uruguayan harbor tug. In calmer weather, HMS *Mallard* shifted her berth from the inner to the outer harbor and later headed upriver. Near the end of the month, the US Flagship, shore battery, and HMS *Garnet* fired a 21 gun salute, and an Italian gunboat (probably *Volace*) went upriver.

The ship's gear that had been sent to Montevideo for repairs from the collision with the *Sebastian Cunsia* returned to the *Essex* in early July 1879. Italian corvette *Governolo* anchored in the bay, as does the Brazilian ironclad *Sete de Setembro*. On American Independence Day, the Montevideo shore batteries and the foreign warships at anchor fire salutes in commemoration. Just after July 4, Commander Schley leaves *Essex* to attend the funeral of the Brazilian navy captain of *Sete de Setembro*. In a moment of relaxation, a Boat race between the fore and main top crew took place, and the main top crew was victorious. A Pacific Mail, Lambert and Holt, and French steamers came into the harbor and anchored, while another Lambert and Holt vessel went to sea. The crew dressed the *Essex* for Argentine Independence Day on July 9. In mid-July, the English gunboat *Elk* and French corvette *Bruat* left the bay, the German ironclad *Hansea* arrived, another German steamer anchored at Montevideo, and *Essex* sent a visiting party to the Flagship *Hartford*. The crew dressed the *Essex* to commemorate Uruguayan Constitution Day, with the foreign flag on the mainmast, on July 18.

After repairing the steam drum, the Essex crew made plans to up anchor and make passage to Buenos Aires. On July 20, the American Charge d' Affaires assigned to Uruguay, General John C. Caldwell, boarded the ship and they set sail the next day. The log made note of the Indis and Chico Bank Light Ships and the Farralone and Colonia Lights as the *Essex* traveled through the Rio de la Plata - the estuary River Plate. Anchored in Buenos Aires on July 21, a liberty party went ashore and ship maintenance was carried out. The ship left Argentina on July 29, heading back to Montevideo, noting Montevideo, Punta Indis, and Punta Brava Lights, and the Punta Bank Light Ship along the way. *Essex* anchored in Montevideo the next day, taking bearings off of Rat Island and the Customs House. Once settled, the ship received visits from officers assigned to the Brazilian, Italian, and Spanish men-of-war in the Bay of Montevideo.

On August 2, 1879, *Essex* departed Montevideo heading to Rio de Janeiro, sighting the Punta Negro, East Point, Maldonado, Lobas Island, San Jose Ignacis, Punta del Este, Punta Piedras, and Santa Maria Lights along the way. Taking soundings while under steam, *Essex* spotted a Pacific Steam Navigation Company vessel, along with Polinais Point, Castillo Island Point. The ship stopped steaming and discontinued soundings, then set sails as they continued toward Brazil. While sailing, *Essex* communicated using maritime signal flags with a French brig traveling from Cape Town to Montevideo. Once again under steam on August 9, the engine went out of commission due to two broken piston bolts the low pressure cylinder. Commander Schley ordered sails raised and

Essex completed her journey to Rio de Janeiro under wind power, sighting a ship carrying a hermaphrodite brig sail configuration along the way. Passing Raza Island on August 13, *Essex* anchored - skillfully under sail - in Rio de Janeiro, taking bearings off Fort Villegagnon and Fort Boa Viagem (misspelled Viagen in the log). Flagship USS *Hartford* signaled *Essex* and the ship received official visits from Brazilian, English and Italian Naval officers, including the Commanding Officer of the Brazilian corvette Flagship *Nictheroi/Nictheroy*.

On August 14, *Essex* flew her colors at half-mast in memory of US Rear Admiral Enoch Greenleafe Parrott, who died in mid-May 1879; the ship only received word of his death in mid-August. The Commanding Officers of HMS *Elk* and an-Italian frigate visit *Essex*. A Royal Mail steamer and Frenchs steamer leave port while a Lambert & Holt steamer and Royal Mail steamer arrive in Rio de Janeiro. On August 16, a Brazilian ironclad ship was towed out of the port and the Commanding Officers of HBMS *Mallard* and a Brazilian man-of-war board *Essex* for a visit, and the Italian man-of-war *Archimedes* anchors. On August 20 the *Essex* Engineering Department received four replacement piston bolts to fix the lower pressure cylinder - that put the engine out of commission for 11 days - with two extra bolts to add to the department's stores. The ship lowered her flag to half-mast during a funeral procession of the Italian frigate *Giuseppe Garibaldi*, the Commanding Officer of HMS *Garnet* and the American Consul General visited the *Essex*. Captain R. L. Meade is taken on board for passage back to the US and the American Minister to Brazil, Judge Henry Washington Hilliard, visited Commander Schley. *Essex* also received new crewmen, transferred from Flagship USS *Hartford.*

On August 26, Commander Schley read a letter from Admiral Edward T. Nichols, Commander of the South Atlantic Squadron, commending the *Essex* crewmen for their service before they head back to the US. .*Essex* then left Rio de Janeiro for the State of Bahia, Brazil, noting Cape Frio and passing a Lambert and Holt steamer and a Pacific Mail steamer, and sighting a barkentine and a brigantine. On August 30, USS *Essex* steamed into and anchored at Bahia, taking bearings off of Fort San Marcello and the Gamboa Banks Buoy. On September 1, 1879, *Essex* took on coal and the next day, she set out for Philadelphia. She steamed past the San Antonis Lighthouse and then lowered the smokestack and proceeded under sail. *Essex* exchanged colors with an English ship whose international maritime code number was W.T.B.S., as well as a British bark. Between September 15 and 17, *Essex* was under both steam and sail intermittently, but then proceeded under sail for the remainder of the month, spotting small bits of gulfweed on September 30.

At the beginning of October 1879, USS *Essex* was on course - under sail - to Philadelphia, conducting exercises at the great guns along the way. Large amounts of gulfweed were noted, and she passed a brigantine, a three-masted schooner, and exchanged colors with the American packet *Champion*. On October 8, the Cape Henlopen Light was sighted as *Essex* proceeded up Delaware Bay, also noting Brandywine and Cape May Lights. *Essex* anchored near Egg Island Light on October 9, and the next day she steamed into the Delaware River. She passed the Flagship USS *St. Louis* and anchored at League Island Navy Yard. On October 14, *Essex* was

inspected by the Board of Inspection, presided over by Commodore George H. Cooper. The crew conducted divisional exercises and drills and participated in a dress parade. From October 15 on, the *Essex* and Navy Yard crews prepared the ship for a lengthy overhaul. The crews unbent the sails and stored them below decks, unloaded the magazine and sent the armaments to Fort Mifflin, unloaded the remaining coal and stores, took down the topgallant masts and yards and passed them to shore, unrigged the ship, and hoisted out the battery. On October 22, 1879, the gunboat USS *Essex* was officially put out of commission.

*MHM contends the American admiral who visited the Brazilian ironclad *Sete de Septembro* was Admiral Edward T. Nichols, Commander of the South Atlantic Squadron, berthed on Flagship USS *Hartford*.
**MHM suspects the French ship referred to as *Factique* is actually named *Fatigue*.

Tags:
American Ships: whaling bark *Amolda*, packet *Champion*, sloop-of-war USS *Essex*, sloop-of-war Flagship USS *Hartford*, bark *Sarah A. Staples*

Brazilian Ships: corvette Flagship *Nictheroi/Nictheroy*, ironclad *Sete de Setembro*, corvette *Trajano*

British Ships: gunboat HBMS *Elk*, corvette HMS *Garnet*, gunboat HMS *Mallard*

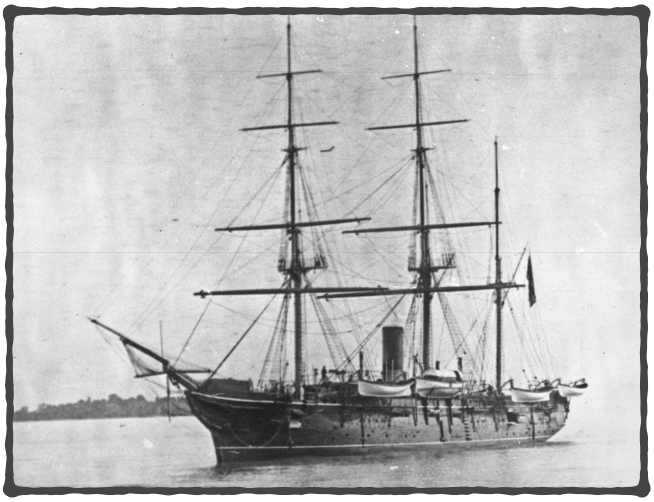
French Ships: gunboat *Bruat*, warship *Factique/Fatigue*, frigate Flagship *Venus*

German Ship: ironclad *Hansea*

Italian Ships: man-of-war Archimedes, frigate *Giuseppe Garibaldi*, corvette *Governolo*, gunboat *Volace*

Spanish Ships: corvette *Consuelo*, bark *Sebastian Cunsia*

USS *Essex*



LOG BOOK

OF THE

U. S. S Steamer Essex

3rd RATE

OF Six GUNS,

COMMANDED BY

Commander W. S. Schley, , U. S. Navy,

Attached South Atlantic , ~~to~~ Squadron,

Commencing April 26th , 1879 ,

at Monte Video Uruguay. ,

and ending October 22nd , 1879 ,

at

BUREAU OF NAVIGATION,

NAVY DEPARTMENT,

1875.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S	N.N.E	2		29 95	66	66	66		bc zw	Str	7	S	
2			N E	"	2		29 95	66	66	66		"	"	8	"	
3			N.	N.	1		29 95	66	66	66		"	"	8	"	
4			N N E	N by E	2		29 93	66	66	64		"	"	9	"	
5			N N by E	N	3		29 93	66	64	64		"	"	9	"	
6			N by N	"	3		29 93	65	64	63		"	"	9	"	
7			N N E	"	3		29 92	65	62	64		bc z	"	9	"	
8			"	N by N	3		29 95	67	63	66		"	"	9	"	
9			N	N	2		29 95	68	65	67		bc	"	9	"	
10			N N E	"	2		29 95	69	67	67		"	"	9	"	
11			N N E	N N E	2		29 93	71	67	67		"	"	9	"	
Noon.			N	N N	3		29 92	71	70	69		"	fair Str	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S N.	N N.	3		29 90	73	72	70		bc	fair Str	6	S	
2			S	S N.	1.3		29 89	73	72	72		"	fair Str	7	"	
3				S S E	1.2		29 88	72	72	72		"	Cumls	7	"	
4			S E by S	S E by S	2		29 88	72	72	72		"	"	7	"	
5			E	S E	1		29 88	72	72	72		"	"	6	"	
6			N E by N	"	0		29 88	72	72	70		bc z	"	6	"	
7			N by N	N one	0		29 88	72	70	70		"	"	7	"	
8			N by E	"	0		29 88	72	70	70		"	fair Str	7	"	
9			N	N	0		29 88	71	71	69		"	"	7	"	
10			N E	N E	1		29 89	71	69	68		bc z w	"	7	"	
11			E S E	N	2		29 89	69	68	68		"	Str	8	"	
Mid.			S E	"	3		29 89	68	67	68		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. L. Schley, U. S. Navy;

Saturday April 26th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear very damps and disagreeable weather Hazy around horizon Light airs and breeze from N to N N E Bar steady Sea smooth

(Signed) C. L. Brune
Midshipman

From 4 to 8 A.M. Clear and pleasant. Hazy around horizon Gentle breeze from W to N by W. Bar unsteady 29.95 at 8. Sea smooth At 7.40 the Italian gunboat "Volage" came in from up the river and anchored.

(Signed) S. C. Lemly.
Ensign

From 8 A.M. to Merid. Clear and pleasant. Light and gentle breeze from N. to N W. Bar falling. Smooth sea. At 9 crossed T. G. Yards. and hoisted sail An American brigantine came in and anchored. The Captain of H.M.S. "Garnet." paid an official visit on board.

(Signed) C. F. Moore
Ensign

From Merid to 4 P.M. Clear warm and pleasant weather Light airs to gentle breezes hauling by N. from W. to S E by S Bar falling 29.88 at 4. Smooth sea Sent a portion of starboard watch on shore on 48 hours. liberty Furled sail at 1 P.M.

(Signed) C. L. Brune
Midshipman

From 4 P.M. to 8. Hazy pleasant weather Light airs from S E. and calm. Bar steady Smooth sea

(Signed) C. F. Moore
Ensign

From 8 P.M. to Mid. Hazy and damp weather Light airs to gentle breezes. from N. to N E. Bar steady at 29.89 Smooth sea

(Signed) C. L. Brune
Midshipman

Moons phase. First qr. Dec. N. 25°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S S E	E	1		29 89	64	66	67		bcz	Cir Cum	7	S	
2			S E	"	0.1		29 89	64	65	65		"	"	5	"	
3			E by S	E S	1		29 89	64	64	63		"	Cum Str	5	"	
4			E by S	"	1		29 89	64	63	63		"	"	6	"	
5			E E N	E E N	1		29 86	68	63	62		"	Cir Str	7	"	
6			"	E E S	2		29 87	67	62	62		"	Cir Str + Cum	6	"	
7			E by N	E by N	2		29 87	66	62	62		"	"	7	"	
8			"	E E N	3		29 86	66	63	62		bc	"	6	"	
9			E E N	E N by E	3		29 91	67	66	66		"	"	8	"	
10			E N	E N	3		29 92	70	70	69		"	Cir Str	9	"	
11			S N by S	"	4		29 92	71	71	70		"	Cir Str	6	"	
Noon.			S by N	N	4		29 90	71	69	68		"	Cir Str + Cum	5	"	

Distance run by Log since preceding Noon — knots fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S by N	N	3		29 90	68	67	68		bc	Cir Cum	5	S	
2				"	3		29 89	68	69	68		"	"	5	"	
3			S	"	2		29 89	68	69	68		"	"	4	"	
4				S S E	1		29 89	72	70	70		"	Cir Str	4	"	
5			N N N	S E	1.0		29 89	71	69	70		bcz	Cir Str + Cum	5	"	
6			N	N	0.2		29 89	70	68	69		bczw	"	4	"	
7			N N N	N N E	2		29 84	69	68	69		"	"	3	"	
8			N by N	N	1		29 84	68	68	69		"	"	4	"	
9			"	N N E	1		29 83	70	67	68		"	Cum Str	7	"	
10				"	1		29 83	70	67	68		"	"	7	"	
11			E S E	"	1		29 83	70	67	68		bcz	Str	0	"	
Mid.			S E	"	1		29 83	70	67	68		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Schley. , U. S. Navy;

Sunday. April 27th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Hazy but pleasant. Light airs from N & NE. Bar steady Sea smooth
(Signed) L. P. Jouett
Master

From 4 to 8 A M Hazy pleasant weather Light, to gentle breeze from N NE to N by E. Bar slightly unsteady. Sea smooth
(Signed) L. S. T. Moore
Ensign

From 8 A M to Noon Clear and pleasant weather Gentle to moderate breeze from N by E. by N. to E. Bar unsteady 29.90 Smooth sea At 9.30 sounded call to quarters and the Comdg Officer inspected ships and crew. At 9.45 called all hands to muster when the Comdg Officer read prayers.
(Signed) L. L. Bruns
Midshipman

From Noon to 4 P.M. Weather clear and pleasant. Gentle breeze to light airs from E and E by E. Bar steady Sea smooth
(Signed) L. P. Jouett
Master

From 4 to 8 P.M. Cloudy hazy and damp Calms. light airs from E by E to N and breezes Bar falling 29.84. Smooth sea.
(Signed) L. L. Bruns
Midshipman

From 8 P M to Mid Hazy. Dur first two hours of watch Overcast last two Sea smooth Light airs from N NE. Bar steady
(Signed) L. P. Jouett
Master

Moons phase First qr. Dec. N 22°

Examined and found to be correct.
(Signed) B. K. Bartlett Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SE	E	2		29 81	67	65	67		oozw	Cumb	0	S	
2			"	"	2		29 81	67	65	67		"	"	0	"	
3			E	"	2		29 85	66	65	67		oozwb	"	0	"	
4			E by N	"	2		29 84	65	65	67		"	"	0	"	
5			E E N	E N	2		29 79	67	65	67		oozw	Cir & Cumb	0	"	
6			E N by E	"	2		29 78	67	65	67		"	"	0	"	
7			N by E	N by E	2		29 80	67	65	67		oofg	Str & Cumb	0	"	
8			SE	SE	2		29 83	67	66	67		oofgt	"	0	"	
9			SE	"	3		29 83	67	66	67		oo	Cum Cumb	0	"	
10			"	"	4		29 83	67	66	67		"	"	0	S	
11			SE	"	3		29 83	67	66	67		"	"	0	"	
Noon.			"	"	3		29 83	67	66	67		"	"	0	S	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			SSE	SSE	4		29 89	65	65	63		oc	Cum Cumb	0	S	
2			S	"	4.6		29 88	65	64	62		"	"	0	"	
3			S by E	S by E	4		29 87	65	64	67		bc	Cir Str	4	"	
4			"	S	4		29 87	66	64	63		"	Cir Cumb	7	S	
5			"	S by E	3		29 90	67	64	64		"	Cum Str	7	"	
6			"	"	4		29 90	67	64	64		"	Cum Str & Cumb	7	"	
7			"	"	5		29 90	67	63	64		"	"	6	"	
8			S	S	4.6		29 92	67	63	64		bcg	Cum Cumb	8	S	
9			"	S	5		29 93	67	63	63		bc	Cir Cum	6	"	
10			"	"	5		29 93	67	63	63		"	Str	9	"	
11			S by E	"	5		29 93	67	63	63		"	"	9	"	
Mid.			S	"	5		29 93	67	63	63		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy;

Monday. April 28th, 1879..

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast with a few stars visible, hazy around horizon. Very damp. Lightning last two hours of watch and drizzling rain last hour. Bar rising. Lightning breeze from N. Sea smooth.

(Signed) A. G. Lemly
Ensign

From 4 to 8 A.M. Began overcast cloudy and hazy with heavy dew last two hours. Overcast and cloudy with a few peals of thunder last hour. Light breeze from N.W. to S. Bar rising 29.83 Smooth sea.

(Signed) C. L. Bruns
Midshipman

From 8 A.M. to Merid. Overcast and cloudy weather first part. Moderate to gentle breeze from S. Bar steady at 29.83. Long and smooth sea.

(Signed) L. P. Jouett
Master

From Merid. to 4 P.M. Overcast first two hours. clear and pleasant. last two. Moderate to fresh breeze from S.S.W. to S. Smooth to moderate sea. Bar falling. One liberty party returned except the following Jas. Stanton (Ldg) J. Murray. (Ldg) Andrew McGarvey (B. Mkr) Wm Limburg (P.M) Asa Mitchell (Ldg) By order of Comdg Officer. confined Jas Hennessy. in double irons for being drunk on duty disrespectful at the mast. and resisting police.

Signed) A. G. Lemly
Ensign

From 4 to 8 P.M. Clear and pleasant. Gentle to fresh breeze from S by E. Bar Steady. Sea smooth.

(Signed) L. P. Jouett
Master

From 8 P.M. to Mid. Clear and pleasant. Stiff breeze blowing in puffs from S. Bar steady at 29.93. Moderate sea. Read S. Mitchell (Ldg) returned from liberty at 9.5.

Signed) A. G. Lemly
Ensign

Moons phase First qr. Dec 7h. 19m

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SSE	SSE	6		29 93	65	61	60		b	—	10	7	
2			"	"	5.3		29 92	65	61	60		"	—	10	"	
3			S by E	S by E	3.6		29 92	65	61	60		bc	bir	8	"	
4			S	"	4.6		29 95	65	61	60		bcq	"	7	"	
5			S by W	S	4		29 96	64	61	60		bc	Str	8	8	
6			"	"	4		29 97	63	61	60		"	bam Str	8	"	
7			SSW	"	4		29 98	63	61	60		"	"	8	"	
8			SW by S	SSW	4		29 98	63	61	60		"	bir Str	5	"	
9			S	"	3		29 98	63	61	61		"	"	4	"	
10			S by E	"	3		29 99	63	62	61		"	"	8	"	
11			"	"	3		29 99	63	62	62		"	"	8	"	
Noon.			SE	"	4		29 99	63	62	62		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 500 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			ESE	WSW	4		29 95	63	62			bc	bar Str	8	8	
2			S by E	"	4		29 95	63	62			"	"	7	"	
3			W by W	"	4		29 94	63	62			"	"	8	"	
4			W by W	"	4		29 94	63	62			"	"	8	"	
5			"	W by S	4		29 94	65	61			"	"	9	"	
6			W	"	4		29 93	64	61			"	"	8	"	
7			"	W	4		29 91	64	61			"	"	9	"	
8			W by N	NW	3		29 90	64	61			"	"	6	"	
9			E by N	"	3		29 90	62	60			"	"	1	"	
10			S by W	W	4.6		29 89	62	60			bcq	"	6	"	
11			S SW	W by S	5.7		29 89	63	63			"	"	5	"	
Mid.			"	"	5.7		29 88	64	64			"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Schley, , U. S. Navy;

Tuesday April 29th , 1879 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear first part of watch Cloudy latter part. Fresh to gentle breeze from S S E and S by E. in squalls last hour Bar unsteady Moderate sea. (Signed) G. A. T. Moore Ensign

From 4 to 8 A M Clear and pleasant. Moderate breeze from S. and S S W. Bar rising Sea smooth Received 50 lbs fresh beef. and 15 lbs vegetables in Pay Dept. from H. D. Evans. (Signed) L. P. Jouett Master

From 8 A M to Merid. Clear pleasant weather Gentle to moderate breeze from S S W. Bar steady at 2999 Sea smooth At 920 mustered and inspected at quarters Jas Murray. (Ord) J. Stanton (Ord) Wm Lemburg (PM) Absent without leave Jere Murray (Ord) returned on board at 1015 About 1030 Italian man of war Governolo got underway and stood out under steam. Pacific mail steamer came in Going Officer of the Elk paid official visit on board (Signed) S. G. Lemly Ensign

From Merid to 4 P M. Clear and pleasant. Moderate breeze from W S W. Bar falling Smooth sea Received a mail from the Pacific Mail steamer. The steamer went out and stood down the river. (Signed) G. A. T. Moore Ensign

From 4 to 8 P M Clear and pleasant. Moderate breeze from W by S. to N. W. Bar falling 2990 at 8. Smooth sea. The Italian man of war "Governolo" came in and anchored about 500 Prin. Lemburg (PM.) was brought on board by the Orderly Sergeant. Signed S. G. Lemly Ensign

From 8 P M to Merid. Cloudy and cool. Gentle to very fresh breeze from W. to W by S. Squally after first hour of watch Bar falling slowly. Smooth sea. Jas Stanton (Ord) returned on board at 830 Moon set about 12 (Signed) G. A. T. Moore Ensign

Moore Shaw At First qtr Dec. N 14°

Examined and found to be correct.

(Signed) C. K. Curtis. Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S SE.	SE by E.	6.7		29	85	65	63	64	bcg	Cir Nimb Cir Str & Nimb	5	M	
2			S by E	"	6.8		29	85	65	63	64	"		7	"	
3			"	SE.	7.8		29	85	65	63	64	"	"	6	"	
4			S SE.		5.7		29	85	65	63	64	"	"	5	"	
5			"	S SE.	4.6		29	86	64	65	60	oc	"	0	M	
6			"	"	4.5		29	86	64	60	60	"	Cir Cum	0	"	
7			S by E	"	5		29	87	63	60	60	bc	Cir Cum	1	"	
8			SSE	"	6		29	87	63	61	60	"	Cir Cum & Nimb	4	"	
9			S by E	S by E.	5.6		29	90	63	61	61	"	Cir Cum	3	"	
10			"	"	5.6		29	93	64	62	62	"	"	5	"	
11			S	S	5.6		29	93	64	62	62	"	"	3	"	
Noon.			"	S by E	5.6		29	93	64	62	62	"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours H₂O gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon H₂O "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S	S	4.6		29	93	64	63	62	bcg	Cir Cum Str	3	M	
2			"	"	4.6		29	94	65	62	62	"	"	3	"	
3			"	"	5		29	95	65	62	62	bc	"	4	"	
4			"	"	5		29	95	65	63	61	"	"	7	"	
5			"	"	4.5		29	95	65	63	61	"	"	5	"	
6			S by E	S by E	4		29	95	65	61	60	"	"	05	"	
7			"	"	4		29	95	65	60	60	"	Cir Cum	6	"	
8			S	"	5		29	95	65	60	60	"	"	5	"	
9			"	S	4.6		29	95	65	60	61	bcg	"	8	"	
10			"	"	4.6		29	95	64	60	60	"	"	9	"	
11			"	"	4.6		29	96	64	60	60	"	"	9	"	
Mid.			"	"	4.6		29	96	63	60	60	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy;

Wednesday. April 30th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly cloudy hazy but pleasant. Stiff breeze to moderate gales blowing in heavy squalls Bar steady 29.85 Moderate to rough sea

(Signed) C. L. Bruns
Midshipman

From 4 to 8 P.M. Overcast first two hours clearing last two Moderate to fresh breeze from N. E. to E. Moderate sea Bar unsteady at 29.7 at 8

(Signed) S. P. Lemly.
Ensign

From 8 P.M. to Merid. Cool and partly cloudy weather with stiff to fresh breeze from S. and S. by E. Bar rising slowly. Quarters at 9.15. By order of Comdg Officer Wm Lemburg (P.M.) was made a prisoner at large to await action of Summary court martial for overstaying his leave

(Signed) C. P. T. Moore
Ensign

From Merid to 4 P.M. Cloudy and pleasant Moderate to stiff breeze from S. first two occasional fresh squalls. Liberty party returned on board Moderate sea. Bar rising 29.95

(Signed) C. L. Bruns
Midshipman

From 4 to 8 P.M. Cool and partly cloudy weather with moderate to stiff breeze from S. and S. by E. Moderate sea Bar steady 29.95 By order of Comdg Officer placed Thos. C. Perry (O. 2d.) in solitary confinement on bread and water for assaulting another person in the Navy.

(Signed) C. P. T. Moore
Ensign

From 8 P.M. to Mid. Clear cool and pleasant Moderate to fresh breeze from S. occasional fresh squalls. Bar steady 29.95. Moderate sea

(Signed) C. L. Bruns
Midshipman

Moons phase 2d qr Dec A. 9°

Examined and found to be correct.

(Signed) C. K. Curtis.
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S by E	S by E	5.6		30 00	65	60	60		beg	bar	9	W	
2					5		30 00	65	60	60		"	"	9	"	
3			S S E	S S E	3.4		30 00	65	60	60		bc	"	8	"	
4			"		3		30 00	65	60	60		"	"	7	"	
5			"	S S W	3		30 00	63	60	60		"	Horiz	10	S	
6			S by W	"	3		30 00	63	60	60		b	"	10	"	
7					3		30 02	63	59	60		"	"	10	"	
8			S W by S	S W by S	4		30 02	62	59	60		"	"	10	"	
9			S W	S W	4		30 04	62	59	59		bc	bar	9	W	
10			"	"	4		30 05	62	60	59		"	"	9	"	
11			"	"	4		30 05	63	60	60		"	"	9	"	
Noon.			"	"	4		30 05	63	61	61		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Received during the preceding 24 hours — 1500 "

Water remaining on hand fit for use at Noon — 1600 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			S	S W	4		30 05	63	61	61		b	Horiz	10	S	
2			"	"	4		30 05	63	61	61		"	"	10	"	
3			"	"	4		30 05	63	62	62		"	"	10	"	
4			"	"	4		30 03	63	63	63		"	"	10	"	
5			"	S S W	4		30 03	65	62	62		"	"	10	"	
6			W	W by S	4		30 02	65	61	61		"	"	10	"	
7			"	W	3		30 02	63	61	61		"	"	10	"	
8			"	W by N	2		30 02	63	61	61		"	"	10	"	
9			"	"	2		30 02	63	61	61		"	"	10	"	
10			"	"	2		30 02	63	60	60		"	"	10	"	
11			"	"	2		30 02	63	60	60		"	"	10	"	
Mid.			"	"	2		30 02	63	60	60		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. A. Schley, U. S. Navy;

Thursday May 1st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool Fresh to very fresh breeze from S. by E. first two hours of watch decreasing to moderate breeze from S. S E during the latter part. J. Donovan returned on board.

(Signed) L. P. Jouett
Master

From 4 to 8 A.M. Clear and cool gentle to moderate breeze from S. S W. and S. W by S. Bar rising slowly Sea smooth Received on board 600 gals. fresh water and fresh provisions for crew

(Signed) B. A. Moore
Ensign

From 8 A.M. to Merid. Clear cool and pleasant. Moderate breeze from S W. At 9 crossed royal yards. At 9.30 inspected and mustered at quarters following men were absent. J. B. Stanley (05 2d) H. Lynch (05 2d) Patrick Punch (05.) By direction of the Comdr in Chief Cadet Midshipmen F. M. Trumby, J. H. Oliver H. A. Benson and A. Cook. were detached and ordered to Annapolis Md. for examination At 10.30 J. B. Stanley (05 2d) H. Lynch (05 2d) P. Punch (05) returned on board Moderate sea Bar steady 30 05 Engaged painting ship inside

(Signed) C. L. Brumby
Midshipman

From Merid to 4 P.M. Clear and pleasant Moderate breeze from S. W. Engaged painting ship inside

(Signed) L. P. Jouett
Master

From 4 to 8 P.M. Clear cool and pleasant. Moderate to light breezes from S S W. to W by N At 5.20 sent down T.G. and Royards Smooth sea. Bar steady 30 05

(Signed) C. L. Brumby
Midshipman

From 8 P.M. to Mid. Clear cool and pleasant. Light breezes from W

(Signed) L. P. Jouett
Master

Moons phase 2d qr. Decl. N. 3°

Examined and found to be correct.

(Signed) C. H. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			Alw W	W Alw A	3		30 02	63	58	59		bc	Cum	9	S	
2			Alw S	"	3		30 02	62	56	57		"	"	9	"	
3			S A	"	3		30 02	61	56	57		"	"	9	"	
4			"	"	3		30 02	66	56	57		"	"	9	"	
5			A	W A	3		30 00	58	55	56		"	"	9	"	
6			W A	"	3		30 00	57	54	54		"	"	9	"	
7			W	"	3		30 02	57	51	52		"	"	9	"	
8			W A	"	3		30 03	57	52	57		"	"	9	"	
9			"	"	3		30 04	60	56	57		b	Hons	10	"	
10			"	"	3		30 04	63	61	60		"	"	10	"	
11			A W A	A W A	3		30 04	64	64	63		"	"	10	"	
Noon.			A	A	3		30 04	64	66	63		"	"	10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			Alw S	A S A	3		30 00	65	65	64		bc	Cir Str	9	S	
2			S A lw A	S A lw A	3		30 00	65	66	66		"	"	9	"	
3			S A	"	2		29 98	67	67	67		"	"	9	"	
4			S lw A	"	3		29 97	67	67	67		"	"	9	"	
5			S A	A S A	2		29 96	67	66	66		b	Hons	10	"	
6			"	"	2		29 96	66	65	65		"	"	10	"	
7			"	"	1		29 96	65	65	65		"	"	10	"	
8			"	"	2		29 96	65	65	65		"	"	10	"	
9			W	"	2		29 96	65	61	61		"	"	10	"	
10			W A	"	2		29 96	65	58	59		"	"	10	"	
11			"	W A	3		29 96	65	57	58		"	"	10	"	
Mid.			"	"	3		29 96	64	55	56		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy;

Friday May 2d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light wind from N.W. by N. Bar steady at 30.07

(Signed) L. G. Lemly
Ensign

From 4 to 8 A.M. Clear cool and pleasant. Gentle breeze from N.W. Rigged out Launch. at 7 P.M. Italian gunboat left the harbor and stood up the river At 8 crossed T.B. and Pensacola Bar rising 3 ft. Smooth sea A Pacific mail and Sampson and Hotts steamer came in from N.Y. and anchored

(Signed) C. L. Bruno
Midshipman

From 8 A.M. to Meridn. Clear and pleasant. Gentle breeze from N.W. to W. Bar steady

(Signed) L. P. Jouett
Master

From Meridn. to 4 P.M. Clear and pleasant with light breeze from W.S.W. and S.W. by W. Bar falling slowly. Quarterly Board of Survey. condemned and threw overboard 200 lbs bread

(Signed) L. G. Lemly
Ensign

From 4 to 8 P.M. Clear and pleasant. Light breeze from W.S.W. Read 150 gals. fresh water. At 5.15 sent down royal yards

(Signed) L. P. Jouett
Master

From 8 P.M. to Mid. Cloudless and cool. Wind light from W.S.W. and N.W. Bar steady at 29.96

(Signed) L. G. Lemly.
Ensign

Moons phase 2d qr. Dec. S. 3°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N W	N. W by N	3		29 96	63	55	56		b	Haze	10	S	
2			"	"	3		29 96	63	55	56		"	"	10	"	
3			"	"	3		29 96	63	55	56		"	"	10	"	
4			S W	"	4		29 95	62	56	56		"	"	10	"	
5			"	W N W	3		29 95	60	56	56		"	"	10	"	
6			"	W	3		29 95	60	56	56		"	"	10	"	
7			W S W	W S W	3		29 96	60	56	60		"	"	10	"	
8			"	"	3		29 98	60	58	61		"	"	10	"	
9			W	W by S	4		30 00	62	60	62		bc	Cum Str	9	"	
10			"	"	3		30 00	63	62	62		"	"	9	"	
11			W by S	S	4		30 00	64	62	64		bcz	"	3	"	
Noon.			"	"	3		30 00	65	62	64		cg	Nimb	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 200 gallons.

Water Received during the preceding 24 hours 1500 "

Water remaining on hand fit for use at Noon 2500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S S W	S by E	2		30 00	65	63	64		bcz	Nimbus	2	S	
2			S W	S S W	3		30 00	65	63	64		bc	"	3	"	
3			S	S by E	4		30 00	65	63	64		"	Cum	5	"	
4			S S W	S S W	4		30 00	65	63	64		"	Cum Nimb	3	"	
5			S E	S E	4		30 00	65	62	62		"	"	3	"	
6			"	"	4		30 00	65	61	61		"	"	3	"	
7			"	"	4		30 00	65	60	60		"	Cum	4	"	
8			"	"	4		30 00	65	60	60		"	"	7	"	
9			S E by E	S E by E	3		30 00	65	60	60		"	"	6	"	
10			"	"	2		30 00	65	60	60		"	"	4	"	
11			S by E	"	2		30 00	65	60	60		"	"	6	"	
Mid.			"	"	3		30 00	65	60	60		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy;

Sunday. May 30, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cool Gentle to moderate breeze from N.W by W. Bar steady

(Signed) D. D. Moore
Ensign

From 4 to 8 A M Clear and pleasant. Gentle breeze from W.N.W to W.S.W. Bar rising

(Signed) L. P. Jouett
Master

From 8 AM to Meridn Clear first part. but hazy and cloudy after 10. Bar steady at 3000 Sea smooth & Gentle to moderate breeze from W by S. hauling to S. by W. By order of Comdr released Thos. G. Pentz (05) from confinement At 10 A M. a summary court martial met for the trial of Wm Limburg (P.M.) court was composed of Lieut G. K. Curtis Master L. Jouett and Ensign S. C. Lemly. as Members and Asst Engr D. B. Ransom as Recorder. At 11 10 court adjourned to await action of the reviewing authority

(Signed) S. C. Lemly
Ensign

From Meridn to 4 P M Partly cloudy and cool. Light to moderate breeze from S. E by S. to S S W. Bar steady At 1.00 H. M. S. "Garnet" and battery on shore fired national salute in honor of the revival of the diplomatic relations between the two countries By order of Comdg Officer made H. Lynch (05 2d) and J. B Stanley (05 2d) prisoners at large to await action of Summary Court martial At 3 00 half masted the colors with H M S. "Garnet" for funeral party. Quarterly Board of Survey. surveyed condemned and threw overboard 200 lbs bread

(Signed) D. D. Moore
Ensign

From 4 to 8 P M. Cloudy but. clearing towards end of watch Light to moderate breeze from S E. Sea smooth At 5 30 H. M. S. "Garnet" got underway and shifted berth

(Signed) S. C. Lemly.
Ensign

From 8 P M to Midn Clear and cool. but clouding up towards end of watch Light to gentle breeze from S E by E Bar steady Sea smooth

(Signed) D. D. Moore
Ensign

Mean Phase 2d qr. Dec. S. 16°

Examined and found to be correct.

(Signed) G. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			ESE	SE	1		30 00	64	62	62		b	Cirro	10	S	
2			"	"	1		30 00	63	61	62		"	"	10	"	
3			"	"	1		30 00	62	61	62		"	"	10	"	
4			"	"	1		30 00	60	60	61		"	"	10	"	
5			SE	"	1		30 00	60	60	60		bc	Cumul	9	"	
6			"	"	1		30 00	60	59	60		"	"	8	"	
7			"	"	1		30 00	60	56	58		"	"	7	"	
8			E	"	1		30 02	60	58	60		"	"	6	"	
9			E by S	ESE	2		30 03	62	63	64		"	Cirro Cumul	7	"	
10			ESE	"	3		30 03	63	63	64		"	"	6	"	
11			E	E	4		30 03	63	63	64		"	"	6	"	
Noon.			E by S	E by S.	4		30 01	63	63	64		"	"	4	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2200 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			E by S.	E by S	4		30 00	64	64	64		bcz	Cir Cumul Stra	5	S	
2			ESE	"	5		29 98	64	64	64		"	"	5	"	
3			"	"	5		29 98	64	64	64		"	"	4	"	
4			"	"	6		29 98	64	63	64		"	"	4	"	
5			"	"	5.6		29 98	64	63	64		bczg	Cir Cumul	6	"	
6			"	"	5.6		29 95	64	62	64		"	Cumul	5	"	
7			ESE	ESE	5.6		29 95	64	61	64		"	"	4	"	
8			E	"	5.6		29 95	63	61	63		"	"	2	"	
9			ESE	ESE by E	5		29 93	63	60	62		bcz	"	2	S	
10			"	ESE	4.5		29 93	62	59	61		"	"	2	"	
11			"	"	5		29 95	62	59	62		"	"	2	"	
Mid.			"	ESE by S	3		29 95	62	62	62		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. S. Schley, U. S. Navy;

Sunday May 4th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. clear and pleasant. Light airs from N.E. Bright moonlight Bar steady 30.00
(Signed) G. L. Brune
Midshipman

From 4 to 8 A.M. clear and pleasant with light airs from N.E. Smooth sea. An English steamer (L & H) came in and another of same line stood down the river from Buenos Aires. Liberty party returned on board except Anthony Mc Fadden (OS)
(Signed) A. G. Leahy
Ensign

From 8 A.M. to Mid. cool and pleasant weather with gentle to moderate breeze from E.N.E. to E by S. Bar unsteady 30.01 at 12. At 9.30 Comdg Officer inspected ships and crews at quarters At 9.45 called all hands to muster read Articles for the government of the Navy and prayers and mustered crews. Anthony Mc Fadden (OS) absent without leave At 10.45 Anthony Mc Fadden (OS) returned to the ship
(Signed) G. D. F. Moore
Ensign

From Mid. to 4 P.M. cloudy cool and pleasant. Moderate to fresh breeze from E by S. at 1 ~~sent ashore liberty party on shore~~. Bar steady 29.95 Long swell from S.E. & E.
(Signed) G. L. Brune
Midshipman

From 4 to 8 P.M. cool and pleasant. Partly cloudy and hazy Stiff to fresh breeze from E by S and E.N.E. blowing in squalls Bar falling
(Signed) G. D. F. Moore
Ensign

From 8 P.M. to Mid. cloudy cool and pleasant. Gentle to stiff breeze from N.E. by E to N. E by N. Hazy - Obscured moonlight Bar steady 29.95 Long swell from S.E. & N.E.
(Signed) G. L. Brune
Midshipman

Moons phase 2d qr Dec S. 16°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NE	NE	4		29 95	62	59	62		bcm	bcr cum	3	S	
2			"	"	4		29 95	62	58	61		"	"	2	"	
3			"	"	3		29 95	62	58	61		"	"	4	"	
4			"	"	4		29 95	62	58	60		"	"	2	"	
5			NbyE	"	3		29 92	62	59	61		bc	cum Nimb	3	"	
6			ENE	NNE	3		29 92	61	59	61		"	"	5	"	
7			NE	"	3		29 92	60	58	60		"	"	5	"	
8			NNEbyE	"	3		29 93	60	58	60		0	cum Str	0	"	
9			E	N	1		29 94	60	60	62		"	Nimb	0	"	
10			NE	NW	5.6		29 93	62	62	64		"	"	0	"	
11			"	"	4.5		29 93	63	63	64		"	"	0	"	
Noon.			NNW	"	4		29 91	63	63	65		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1			NNW	NW	4		29 90	65	65	65		oc	cum Str Nimb	0	S
2			"	"	3		29 90	65	63	65		"	"	0	"
3			NW	W	3		29 88	65	63	65		"	"	0	"
4			"	SW	3		29 88	65	63	65		"	"	0	"
5			"	SSW	3		29 86	63	63	64		ocz	"	0	"
6			S	SbyW	3		29 86	64	62	64		"	"	0	"
7			SSE	"	3		29 86	64	62	64		oczb	"	0	"
8			"	"	2		29 86	64	62	64		"	"	0	"
9			ESE	"	2		29 86	64	62	64		cb	"	0	"
10			ENE	"	2		29 86	64	62	64		"	"	3	"
11			N	"	2		29 86	64	62	64		"	fair Cum	4	"
Mid.			"	"	2		29 86	64	62	64		"	"	4	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy;

Monday. May 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Partially overcast. Gentle to moderate breeze from N.E. Hazy around horizon

(Signed) L. P. Jouett
Master

From 4 to 8 AM both with gentle breeze from N.E. and N.N.E. Bar steady At 8 crossed royal yards

(Signed) B. F. Moore
Ensign

From 8 AM to Merid Overcast hazy and pleasant. Moderate to fresh breeze from N and N.N. At 9 sounded to general quarters divisions reported ready as follows. 1st Div 9. 18. 45. – 2d Div. 9. 17. 10. – Nav. Div. 9. 16 15 – Powder Div 9. 16. 45 – Engrs Div 9. 15 45 – Surg. Div 9. 18. 00 – Exercised divisions at general quarters Secured at 9.39. The Naval Summary Court Martial met in pursuance of order of May 1st at 10 10 J. B. Stanley (O.S. 2d) H. Lynch (O.S. 2d) and J. Donovan (1 cl Pvt) were brought before the court for trial At 12 the court took a recess to meet again at 1 P.M. Bar. falling slowly 29.91 Smooth sea. Heavy Str Cumb. cloud banks to S. 4th & E.

(Signed) L. F. Bruns
Midshipman

From Merid to 4 P.M. Overcast and cloudy Gentle to moderate breeze from N. N.E. to S.E. The Summary Court Martial for the trial of J. Donovan (1 cl Pvt) assembled at 1 P.M. Adjourned at 2. to await action of reviewing authority By order of Comdg Officer threw overboard 3 bags (500 lbs) bread dust it having been condemned by Board of survey.

(Signed) L. P. Jouett
Master.

From 4 to 8 P.M. Overcast cloudy and pleasant. Gentle breeze from S. S.E. to S. by W. At 4.45 Chorrequayan Gunboat left the harbor and stood to S.E. & E. At 5 sent down T.G. yards and royal yards At 5.15 mustered at quarters and served out clean hammocks Sent as mail on Pacific Mail steamer Lighning to S.E. & E. last two hours

(Signed) L. F. Bruns
Midshipman

From 8 P.M. to Mid Partially cloudy and pleasant. Light breeze from S by E. Bright moonlight

(Signed) L. P. Jouett
Master

Moons phase Full Moon Dec. 21°

Examined and found to be correct.

(Signed) C. H. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E	S E	1		29 94	64	62	64		bc	Cum	9	S	
2			S S E	S S E	2		29 84	64	62	64		"	Cir + Cirost	7	"	
3			S by E	"	3		29 83	64	62	63		"	Cir Str Cirost	7	"	
4			"	"	4		29 81	63	62	63		"	Cirost	7	"	
5			"	S by E	5		29 81	63	62	64		"	"	4		
6			S	"	4		29 81	63	62	64		bc bg	"	3		
7			"	"	3		29 82	63	61	64		bc	"	0		
8			"	S by E	5		29 84	63	61	64		"	"	0		
9			"	S S E	5		29 85	63	62	64		c	"	2		
10			"	"	5		29 85	65	63	64		bc	Cir Cum	5		
11			"	"	5		29 85	65	63	64		"	"	6		
Noon.			S by E	S by E	5.6		29 85	65	63	64		bcg	Cir Cum + Cirost	4		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S	S by E	5		29 83	64	62	64		bcg	Cum + Cirost	4	S	
2			"	"	5		29 83	65	63	65		"	"	5	"	
3			"	"	4.5		29 83	65	63	65		bc bg	"	4	"	
4			"	"	4.5		29 82	65	62	65		"	"	2	"	
5			"	"	5.6		29 82	65	62	64		bcg	"	0	"	
6			"	"	5.6		29 82	65	62	64		"	"	0	"	
7			"	"	5.4		29 93	65	62	64		"	"	0	"	
8			"	"	4.5		29 84	65	62	64		"	"	0	"	
9			"	"	4.5		29 84	66	62	64		bcg	Cirost	0	"	
10			S S E	"	4		29 85	66	62	64		bc	Cum	8	"	
11			"	S S E	4		29 85	66	62	64		"	"	8	"	
Mid.			S E	"	4		29 85	66	62	64		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. L. Schley. , U. S. Navy;

Tuesday. May 6th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool with light airs to moderate wind from S. W and S. S. W. Sea smooth Bar falling slowly Bright moonlight.
(Signed) L. C. Lemly
Ensign

From 4 to 8 A.M. Overcast cloudy and cool. Gentle to stiff breeze from S. by W. to S. by E. Light passing rain squalls during second hour Scrubbed hammocks Bar rising 29.84 Long swell At 4 Recieved 151 lbs fresh beef and 151 lbs vegetables 15 gall molasses for crew
(Signed) C. L. Bryne
Midshipman

From 8 A.M to Merid. Cloudy and pleasant. Squally last hour Stiff to very fresh breeze from S by E. Bar steady At 9 crossed light yards At 9.30 inspected at quarters and drilled Co B. and marine guards. in Infantry tactics
(Signed) L. P. Jouett
Master

From Merid to 4 P.M. Cloudy and cool. with fresh breeze from S by E and occasional passing showers latter half Bar steady at 29.83 At 2.30 Sunbent all square sail and fore topmast staysail bent old topsails and sent down light yards An English steamer (P. S. N. Co) and and Italian steamer went to sea. (Signed) L. C. Lemly
Ensign

From 4 to 8 P.M. Overcast cloudy and cool. and squally Moderate to fresh breeze from S by E. At 5.15 sent down top gallant ~~yards~~ masts
Signed L. P. Jouett
Master

From 8 P.M to Merid Overcast first hour with squalls afterwards clear and cool. Wind moderate and hauling from S to S. S. E. Bar steady 29.85 Sea moderate An Italian steamer went to sea
(Signed) L. C. Lemly
Ensign

Moons Phase 3d qr. Dec. S. 24°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.	S S E	4		29 85	66	62			bc	Cum	4	W	
2			S by W	"	4		29 84	66	62			"	"	5	"	
3			"	"	4		29 83	66	63			"	"	5	"	
4			S.	"	4		29 82	66	63			"	"	5	"	
5			"	S by E	4		29 82	66	63			c m	Cum Nim	2	"	
6			"	"	4		29 82	66	63			"		3	"	
7			"	"	3		29 84	66	62			"	Cir Cum & Nim	5	L	
8			"	"	4.5		29 86	66	62			cg	"	7	"	
9			S S E	S.	4		29 87	65	63			bc	Cum Nim	1	"	
10			S E	"	3		29 88	64	63			oc	"	0	"	
11			S by E	S by W.	3		29 87	64	63			"	"	0	"	
Noon.			S.	S S W.	3		29 86	64	63			"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S S E.	S S W.	3		29 84	64	63			c	Cum Nim	0	S	
2			S by W.	"	3		29 85	64	62			bc	"	1	"	
3			S S W.	"	3		29 85	64	63			"	Cir Cum	4	"	
4			S S W by W	S W.	1		29 84	64	66	66		"	"	5	"	
5			W.	W.	1		29 85	64	65	65		"	"	4	"	
6			W W.	W. W.	1		29 85	64	63	64		"	"	5	"	
7			W W W.	W.	2		29 84	64	60	62		"	"	7	"	
8			"	W by W.	2		29 84	63	59	60		"	"	7	"	
9			S E by S.	"	3		29 86	63	58	60		"	"	8	"	
10			S E	"	3		29 87	64	58	60		b	Cum	10	"	
11			W W	"	3		29 87	64	57	59		"	"	10	"	
Mid.			"	"	3		29 87	64	56	58		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Schley, U. S. Navy;

Wednesday. May. 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly overcast and cool with moderate breeze from S. S.E. Bar falling slowly. Sea moderate

(Signed) H. D. T. Moore
Ensign

From 4 to 8 A.M. Generally cloudy equally last hour of watch Gentle to fresh breeze from S by E.

(Signed) L. P. Jouett
Master

From 8 A.M. to Mid. Overcast with light to moderate breeze from S and S by W. to S.S.W. Smooth sea Bar falling slowly. At 9 followed motions of Brazilian "Trajano" in half masting colors while a funeral party was proceeding from that ship to the shore At 9.30 mustered and inspected at quarters Henry Simpson (C.C.) reported the expiration of his term of service

(Signed) H. C. Fenly
Ensign

From Mid. to 4 P.M. Overcast but pleasant first part. clearing towards end of watch Gentle breeze from S.S.W shifting to S.W by W. and dying to light airs At 3.30 sighted a man of war coming in from the S.E. & E.

(Signed) H. D. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant with light airs varying in direction between N.W and N. Bar falling slowly Sea smooth At 4.35 exchanged numbers with U.S.S.Sr "Hartford" Standing in from the westward At 5.30. "Hartford" anchored Made general signal to her (Captains lights) Inst 5th. Commanding Officer of the "Hartford" came on board.

(Signed) H. C. Fenly
Ensign

From 8 P.M. to Mid. Clear cool and pleasant with gentle breeze from W.N.W. Bar steady Sea smooth

(Signed) H. D. T. Moore
Ensign

Moons phase 3rd qr. Dec. S. 16°

Examined and found to be correct.

(Signed) H. H. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N	NW	2		29 87	65	59			bc	Cum	9	S	
2			"	"	2		29 87	65	59			"	"	9	"	
3			NbW	W	1		29 87	65	59			"	"	9	"	
4			W	SW	5		29 87	65	59			"	"	9	"	
5			"	W	3.4		29 87	64	61			"	Cir Cum	8	"	
6			SW	SW	2		29 90	64	61			"	"	7	"	
7			S	S	2		29 93	64	62			"	"	6	"	
8			SbyW	SE	3.4		29 95	64	62			"	"	6	"	
9			"	"	4		29 98	64	62			"	Cum	4	"	
10			SE	"	4		30 00	64	63			"	Cir Cum & Nimb	6	"	
11			"	"	4		30 02	64	63			"	"	8	"	
Noon.			SEbyE	SEbyE	4		30 02	65	64			"	Cir Cum	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Received. during the preceding 24 hours 1650 "

Water remaining on hand fit for use at Noon 2650 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			SEbyE	SEbyE	3		30 03	65	64			bc	Cum Str	4	S	
2			"	"	3		30 04	65	64			"	"	4	"	
3			"	"	3		30 05	65	63			"	"	4	"	
4			"	"	3		30 05	65	63			"	"	4	"	
5			EbyN	E	4		30 05	65	62			"	Cir Cum	4	"	
6			"	EbyN	4		30 05	66	62			"	"	5	"	
7			ENE	"	4		30 06	66	61			"	"	7	"	
8			SEbyE	ENE	3		30 09	66	62			"	Cum	6	"	
9			"	"	3		30 11	65	63			b	Nimb	10	"	
10			ENE	"	4		30 11	64	63			"	"	10	"	
11			"	"	3		30 11	64	62			"	"	10	"	
Mid.			"	"	3		30 11	64	60			"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. S. Schley, , U. S. Navy,

Thursday. ~~April~~ May 8th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Clear and pleasant. Light airs to stiff breezes from N.W. to S.W. Bright moonlight. Smooth sea Bar steady 29.87 Suddenly freshening to stiff breeze last hour.

(Signed) C. L. Brune
Midshipman

From 4 to 8 AM Clear and cool with light to moderate breeze veering around from W. to S.E. Bar rising Sea smooth Received on board fresh beef and vegetables for crew. At 7.30 Hartford made 33 sail. (Signed) S. P. Comly,
Ensign

From 8 AM to Meridian Clear and pleasant with moderate breeze from S.E. & S.E. by E. At 9.20 mustered and inspected at quarters At 10.20 called all hands to muster and read sentences of court martial in the following cases. The charges being Absent without leave. Wm. Limburg (O.M.) To be deprived of liberty on shore on foreign stations for four months and to lose 1/2 months pay. Amounting to seven dollars and forty cents (7.40) The sentence was mitigated by revising authority to deprivation of liberty on shore three months. Nicholas Lynch (O.S. 2cl) and James B. Stanley (O.S. 2cl) were each sentenced to deprivation of liberty on shore for four (4) months and to lose one half (1/2) months pay amounting to seven dollars and sixty five cents (7.65) In the two cases that part of the sentences which refers to deprivation of liberty on shore was in consequence of an order from the Navy Department relative to Summary Court Martials remitted to deprivation of liberty on shore for three months and that part relating to loss of pay. was referred to the Hon. Secretary of the Navy. for approval. Jeremiah Donovan (C.C.) was sentenced to deprivation of liberty on shore on foreign stations for three months and to lose one half (1/2) months pay. but the court having found that the accused had been unavoidably detained on shore and having recommended him to clemency. the sentence was set aside

(Signed) W. P. T. Moore
Ensign

From Meridian to 4 PM Cloudy and pleasant. Gentle breeze from S.S.E. by E. Instructed boys in signals. Bar rising 30.05 Smooth sea.

(Signed) C. L. Brune
Midshipman

From 4 to 8 PM Partially cloudy and cool with moderate to gentle breeze from E. to E.N.E. Sea smooth Bar rising

(Signed) W. P. T. Moore.
Ensign

From 8 PM to Mid. Clear and pleasant. Gentle to moderate breeze from E.N.E. Bright moonlight Smooth sea Bar rising 30.11

(Signed) C. L. Brune
Midshipman

Moons phase 3d qr Decl S 26°

Examined and found to be correct.

(Signed) W. H. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NE	ENE	2		30 14	65	59			b	None	10	S	
2			"	"	2		30 14	65	59			"	"	10	"	
3			N	"	3		30 14	65	58			"	"	10	"	
4			"	"	3		30 13	64	58			"	"	10	"	
5			NbyW	NE	3		30 14	64	58			"	"	10	"	
6			"	"	3		30 14	64	58			"	"	10	"	
7			N	"	3		30 15	62	56			"	"	10	"	
8			"	N	3		30 18	64	56			"	Fog	5	"	
9			"	NNE	4		30 18	60	56			b	Cir Cum	7	"	
10			"	N	5		30 20	63	61	60		"	"	9	"	
11			"	"	6		30 20	64	65	64		"	"	9	"	
Noon.			"	"	4		30 20	65	67	65		"	"	9	4	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2350 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			NE	NNE	4		30 20	66	69	68		b	Nimbus	10	S	
2			ENE	"	4		30 18	67	72	70		"	"	10	"	
3			"	"	4		30 17	67	70	70		"	"	10	"	
4			NEbyE	NbyE	3		30 17	68	70	70		"	"	10	"	
5			"	"	3		30 17	68	68	68		"	"	10	"	
6			NNE	NbyE	3		30 17	68	68	66		"	"	10	"	
7			"	"	3		30 17	68	65	64		"	"	10	"	
8			NbyE	"	3		30 17	68	63	62		"	"	10	"	
9			NE	NNE	4		30 17	66	62	62		"	"	10	"	
10			ENE	"	4		30 17	66	61	60		"	"	10	"	
11			EbyN	"	5		30 17	66	61	60		"	"	10	"	
Mid.			ENE	"	5		30 17	64	61	60		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Friday May 9th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M Clear and cool Hazy around horizon Bright moonlight Gentle breeze from E N E
(Signed) L. P. Jouett
Master

From 4 to 8 A M Clear and cool with gentle breeze from N E first three hours shifting to N last hour. Foggy at 8. Bar rising At 7h Flagship made dress sig. 3350
(Signed) C. A. D. Moore
Ensign.

From 8 A M to Mid. Clear and pleasant. Moderate to fresh breeze from N N E. to N. At 9h 16 sounded call to fire quarters 1st Div reported ready 9. 17. 15. 2d Div 9. 17. Aux 9. 16. 50. Powd. 9. 17. 30. Engrs. 9. 16. 50 Exercised divisions at fire quarters Secured at 9. 19. Mustered and inspected divisions Strong tide setting in from seaward Tide rips Bar rising 30 20.
(Signed) C. L. Brune
Midshipman

From Mid. to 4 P M Clear and pleasant Gentle to moderate breeze from N N E. Bar falling slowly. At 3h 15 Flagship made gen sig 3984
(Signed) L. P. Jouett
Master

From 4 to 8 P M Clear and pleasant. Gentle breeze from N E by N. to N by E. At 4h 45 made prep. 6 1/4 3 and at sundown sent down 24 yards "Hartford" made int 4363 answered 9 gt. Bar steady 30. 17.
(Signed) C. L. Brune
Midshipman

From 8 P M to Mid. Clear and cool. Moderate to fresh breeze from N. N. E. Bar steady
(Signed) L. P. Jouett
Master

Mond Chase 3d gr Dec. S. 24°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NE by N	NE by N	4.5		30 17	64	59	58		b	Horse	10	S	
2			NNE	NNE	4.5		30 15	63	58	57		"	"	10	"	
3			N by E	N by E	4.5		30 13	63	58	56		"	"	10	"	
4			"	"	5		30 11	63	58	56		"	"	10	"	
5			"	"	6		30 10	63	58			"	"	10	"	
6			"	"	4		30 10	63	58			"	"	10	"	
7			"	"	4.6		30 10	63	57			bc	Cir	6	"	
8			"	"	4		30 11	63	57			ocq	Cir Strs.	0	"	
9			NE	N	6.		30 12	63	58	59		"	"	0	"	
10			"	"	6.7		30 10	64	62	62		bcq	Cir Cums	4	"	
11			"	"	6.7		30 10	65	65	64		"	"	5	"	
Noon.			"	"	6.7		30 08	65	68	66		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2050 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			ESE	NNW	5.6		30 03	66	70	66		bc	Cir Cum	9	S	
2			NE	"	5.6		30 00	67	70	66		"	"	9	"	
3			"	"	5.6		30 00	68	71	66		"	"	9	"	
4			"	"	5.6		30 00	68	71	67		"	"	9	"	
5			NNE	N	4		30 00	69	71	67		"	"	9	"	
6				"	3		30 00	69	68	66		b	Nimbus	10	"	
7			N by E	N by E	2		30 00	68	67	64		"	"	10	"	
8			"	"	2		30 00	68	67	64		"	"	10	"	
9			NNE	N	3		30 00	68	66	62		bc	Cir Cum	8	"	
10			NE	N by E	3.4		30 00	68	65	62		bcq	"	7	"	
11			NNE	"	3.4		30 00	68	65	62		"	"	7	"	
Mid.			"	"	4.5		30 00	67	64	62		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Saturday May 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cool Moderate to fresh breeze from N E by N. N N E and N by E. Smooth sea Bar falling slowly. Bright moonlight
(Signed) S. G. Lemly
Ensign

From 4 to 8 A M Clear and pleasant Moderate to fresh breeze from N by E. Latter part of last hour wind suddenly freshened two squalls and sky overcast Bar steady 30.10 Smooth sea
(Signed) C L Bruns
Midshipman

From 8 A M to Meridn Overcast and cloudy first hour of watch latter three clear and pleasant. Fresh to very fresh breeze from N. Bar falling At 9 made sig. 6144 Flagship answered 904 crossed T Yards
(Signed) L P. Jouett
Master

From Meridn to 4 P M Clear and pleasant. Moderate wind fresh in gusts from N N E. Smooth sea. Bar falling slowly
(Signed) S. G. Lemly
Ensign

From 4 to 8 P M Clear and pleasant. Moderate breeze decreasing to light airs from N. by E. Bar steady.
Signed L P. Jouett
Master

From 8 P M to Midn Clear and pleasant. with light to moderate wind from N. and N by E. Sea smooth Bar steady at 30.00 Moon rose at 9.35 After which Bright moonlight
(Signed) S. G. Lemly.
Ensign

Moons phase 3/4 gr Dec. S. 21°

Examined and found to be correct.

(Signed) C. H. Laurie
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			Var E	Var E	4.6		30 00	65	64	62		bcg	Cum St	10	S	
2			"	"	4.6		30 00	65	64	62		bg	Nim	10	"	
3			"	"	4.6		30 00	65	63	62		"	"	10	"	
4			Var	Var E	4.6		30 00	65	62	61		"	"	10	"	
5			"	Var	4		30 00	65	61	60		bcg	Cir Cum	8	"	
6			"	"	3		30 00	65	60	58		"	"	7	"	
7			Var by N	Var by N.	3		30 01	64	61	60		"	"	7	"	
8			"	"	3		30 02	64	61	60		"	"	6	"	
9			Var N.	Var N	2		30 02	65	63	62		bc	"	5	"	
10			Var N	Var N	3		30 02	66	67	65		"	"	5	"	
11			"	"	3		30 01	67	68	66		"	"	5	"	
Noon.			"	"	3.2		30 00	67	69	67		"	"	7	"	

P. M.																
1			E by S.	Var N by E	5		2997	68	74	68		bcz	Cir Cum	7	S	
2			S	Var N.	5		29 95	70	72	68		"	"	7	"	
3			"	"	4		29 95	70	72	67		"	"	6	"	
4				Var by N.	4		29 95	70	72	67		"	Cum	5	"	
5			S. W by W	Var N.	3		29 94	71	71	66		bc	Cir Cum	8	"	
6			Var E by E.	Var	2		29 93	70	70	65		"	"	8	"	
7			Var by N.	"	1		29 94	70	68	65		"	"	9	"	
8			Var N.	"	1		29 95	70	67	65		"	"	9	"	
9			Var	"	1		29 95	69	66	65		"	"	7	"	
10			E	"	1		29 95	69	66	65		"	"	9	"	
11			"	"	1		29 95	69	66	65		"	Cum	9	"	
Mid.			E by S	Var N.	2		29 95	69	66	65		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours 250 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Sunday. May 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant with moderate to fresh breezes from N by E and N by E. blowing in squalls Bar steady Sea smooth
(Signed) L. P. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Gentle to moderate breezes from N and N by W. At 7.30 Flagship made dress sig. 3350
(Signed) L. P. Jarett
Master

From 8 A.M. to Merid. Clear and pleasant with light to moderate breezes from N N W. to N W. Sea smooth Bar falling slowly At 9.30 inspected divisions. At 10 Comdr. inspected ship and crew at quarters Comdr read prayers Sent small liberty party on shore until 7 A.M. tomorrow
(Signed) L. L. Lemly.
Ensign

From Merid. to 4 P.M. Clear and pleasant. Stiff to moderate breezes from N W by N to N W by W. Smooth sea Bar falling slowly.
(Signed) L. P. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant with light breezes to light airs from N Sea smooth Bar unsettled By order of Comdg Officer James Hennessey (Mach) was released from confinement in irons to proceed at large awaiting action of Comdr in Chief. At 5 "Hartford" made gen. sig. 2985.
(Signed) L. L. Lemly
Ensign

From 8 P.M. to Mid. Clear and pleasant with light airs from N. and light breeze from N by W. Sea smooth Bar steady.
(Signed) L. P. T. Moore.
Ensign

Moons phase 3d qr. Decl. S. 17°

Examined and found to be correct.

(Signed) L. H. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E by S.	N W.	3		29 95	69	65	63		b	Haze	10	S	
2			"	"	3		29 95	69	65	63		"	"	10	"	
3			N N W	N W by N	3		29 95	68	65	62		"	"	10	"	
4			"	N N W	3		29 95	68	64	62		"	"	10	"	
5			N W.	"	3		29 93	67	64	62		bc	fair Cumulus	5	"	
6			N N W	"	3		29 92	67	64	62		"	"	4	"	
7			"	"	3		29 93	66	62	60		"	"	4	"	
8			"	"	3		29 94	66	63	61		"	"	6	"	
9			N W	N W.	3		29 95	67	65	64		bcz	"	7	"	
10			"	N N W.	5		29 95	69	68	66		"	"	8	"	
11			N W by N	N W	5		29 95	70	71	68		"	"	9	"	
Noon.			"	"	5		29 95	70	73	70		"	"	9	"	

Distance run by Log since preceding Noon ____ knots ____ fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time ____ knots ____ fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water ____ during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1500 "

Coal consumed during the preceding 24 hours ____ tons ____ lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S by E	S W N.	4.6		29 91	70	73	70		bcz g	fair Cumulus	3	S	
2			"	S by E.	4.6		29 91	70	71	69		"	"	3	"	
3			"	"	4.6		29 91	69	68	67		"	"	2	"	
4			"	"	4.6		29 95	68	67	66		cg	"	0	"	
5			S	S	5.6		29 95	68	63	62		cg	Cirrus	0	"	
6			S S E	S S E	5.6		29 95	68	63	60		"	"	0	"	
7			E N E	"	3		30 00	68	63	62		bc	Cirro Cumulus	7	"	
8			S S E	"	3		30 00	67	63	62		"	+ Nimbus	6	"	
9			S by W	S by W.	3.5		30 04	67	61	60		bcg	fair Cirrus	8	W	
10			"	S. S W	3.5		30 07	67	61	60		"	"	8	"	
11			"	"	4.6		30 07	67	60	58		"	"	8	"	
Mid.			"	"	4.6		30 08	66	59	58		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Monday May 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Gentle breeze from W to W by N. Bar steady 29.95

(Signed) G. L. Bruns
Midshipman

From 4 to 8 A.M. Partially clear Pleasant. Bar unsettled Sea smooth A French steamer came up the river and anchored U. S. S. "Garnet" got underway at 7.10 and stood down the river Followed flagship hoisting colors to her Received fresh provisions for crew. Liberty party returned

(Signed) D. B. Lemly
Ensign

From 8 A.M. to Merid. Clear and pleasant. Hazy. Stiff breeze from W to W. General quarters at 9.15 Fast boats in 2m 30sec and secured in 3m U. S. S. "Mallard" left the harbor.

(Signed) G. D. T. Moore.
Ensign

From Merid to 4 P.M. Cloudy and gloomy, overcast last hour Moderate to fresh breeze from W by W to W by S. Frequent squalls At 3 made list sig 2984 "Hartford" answered. Captain of the French gunboat "Bruat" called on Comdg officer. Bar variable 2995

(Signed) G. L. Bruns.
Midshipman

From 4 to 8 P.M. Overcast and hazy first half. clearing last half. First two hours stiff to fresh breeze from S to S.S.E. blowing in squalls, dying to Gentle breeze from S.S.E last part. At 4.45 Flagship made preps sig. 6143 answered At 4.50 she made sig 6143 answered. Sent down T. Yards. At 4.50 U. S. S. "Elk" got underway and steamed down the river Short cross sea Bar rising rapidly.

(Signed) G. D. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Gentle to fresh breeze from S. by W. and S.S.W. Frequent fresh squalls Bar rising 30.08 Moderate sea.

(Signed) G. L. Bruns
Midshipman

Moons phase At last qr Dec. S. 13°

Examined and found to be correct.

(Signed) G. K. Gartley
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S	Sby W	5		30 08	65	59	57		bc	Cir Cum & Str	7	S	
2			"	"	5		30 08	65	58	57		"	"	8	"	
3			"	S.	4		30 08	64	58	57		"	"	8	"	
4			"	"	4		30 08	64	58	57		"	"	7	"	
5			"	"	3		30 08	64	58	56		"	Cir Cum	5	"	
6			S S W	"	3		30 08	64	58	56		"	"	5	"	
7			"	"	4		30 08	64	57	56		"	"	5	"	
8			S W by S.	S by E	4		30 12	64	58	54		"	"	4	"	
9			"	S S E	4		30 10	62	58	54		bc	"	0	"	
10			"	"	3		30 15	62	60	57		"	"	0	"	
11			"	"	3		30 15	63	59	57		"	"	0	"	
Noon.			S S W	S S W	2		30 14	62	59	57		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 200 gallons.

Water Received during the preceding 24 hours 1600 "

Water remaining on hand fit for use at Noon 2700 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S.	S by W.	2		30 14	63	59	58		bc	Cir Cum	7	S	
2			"	"	2		30 12	63	59	58		"	"	6	"	
3			"	"	2		30 12	63	58	57		"	"	7	"	
4			"	S S W.	2		30 12	63	58	57		"	"	8	"	
5			S by E	"	2		30 12	63	57	56		"	Cum Str	8	"	
6			"	"	2		30 12	63	57	56		"	"	8	"	
7			"	"	2		30 12	63	56	56		"	"	8	"	
8			"	"	3		30 12	63	55	55		"	"	9	"	
9			S.	"	3		30 12	62	57	55		"	"	9	"	
10			"	"	3.4		30 15	62	57	55		"	"	9	"	
11			"	S by W	4.5		30 15	62	57	55		b	Cum	10	"	
Mid.			"	"	6		30 15	62	57	55		"	"	10	1	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Tuesday May 13th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cool. Moderate to stiff breeze from S. and S by W. Bar steady.
(Signed) L. P. Jouett
Master

From 4 to 8 A M Clear and cool. with gentle to moderate breeze from S. and S. by E. At 7.30 Flagship made dress signal. 3350 answered 7.45 made int sig 6069 Flagship answered got At 8 crossed T.G. yards Sea smooth Bar rising
(Signed) G. P. T. Moore
Ensign

From 8 A M to Merid Overcast and pleasant. Moderate to light breeze from S. S E. to S S W. At 915 inspected at quarters Exercised Co "A" and Marine Guard at small arms. Received 1400 gals. fresh water for use of ship Smooth sea Bar unsteady 30.14.
(Signed) C. L. Bruns
Midshipman

From Merid to 4 P M. Clear and pleasant. Light breeze from S. W and S. S W. Cir. cum. clouds Bar steady Sea smooth
(Signed) L. P. Jouett
Master

From 4 to 8 P M Clear and pleasant. Light to gentle breeze from S. S W. At 445 made int sig. 6068. "Hartford" answered got. At 5 sent down T.G. and Royal yards At 5. "Hartford" made prep. 2 Gst answered Smooth sea Bar steady 30.17
(Signed) C. L. Bruns
Midshipman

From 8 P M to Mid Clear and cool. Gentle to fresh breeze from S by W. Bar. steady
(Signed) L. P. Jouett
Master.

Moored ship Last gr. Less 7°

Examined and found to be correct.
(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			Sby E	S	4.6		30	15	61	57	55	bq	None	10	S	
2			S E by S	"	4.5		30	15	61	57	55	bcq	Cirrus	9	"	
3			"	"	3.5		30	16	61	56	54	"	"	9	"	
4			"	"	3.5		30	16	61	56	54	"	"	9	"	
5			S by E	S by W	3.6		30	16	60	57	56	"	"	9	SE	
6			"	"	3.5		30	17	60	57	56	"	"	9	"	
7			S	"	4		30	18	59	56	55	"	"	9	"	
8			"	"	5		30	18	59	56	55	"	"	9	"	
9			S S W	S S W	4		30	20	61	57	55	bc	"	8	"	
10			"	"	4		30	23	61	57	55	"	"	9	"	
11			"	"	4		30	23	61	57	55	"	"	8	"	
Noon.			"	"	4		30	23	61	57	55	"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 200 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2500 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			S	S S W.	4		30	20	62	58	56	bc	Cirrus	9	S	
2			"	"	4		30	20	63	58	56	"	"	9	"	
3			"	"	3		30	19	64	58	56	"	"	9	"	
4			"	"	3		30	18	64	58	56	"	"	9	"	
5			"	"	2		30	18	65	58	56	b	None	10	"	
6			S S E	S S E	2		30	18	64	57	56	"	"	10	"	
7			S E	S E	1		30	17	64	56	55	"	"	10	"	
8			E	"	1		30	17	64	54	52	"	"	10	"	
9			N by W	N W	0.1		30	17	64	54	52	"	"	10	"	
10			N N W	"	0.1		30	17	61	51	50	"	"	10	"	
11			"	"	0.1		30	17	61	50	50	"	"	10	"	
Mid.			"	"	0.1		30	17	61	50	50	"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. S. Schley, U. S. Navy;

Wednesday May. 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool with light to moderate wind from S. fresh in squalls. Bar rising slowly Sea smooth Bright moonlight.

(Signed) S. P. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant Gentle to fresh breeze from S. by W. Squally during first two hours Bar rising 30 08 Long swell from S.S.W.

(Signed) C. F. Preuss
Midshipman

From 8 A.M. to Merid. Clear and pleasant Moderate breeze from S.S.W. Bar steady. At 9 inspected at quarters afterwards exercised 1st & 2d Div. and Marine Guard at great guns, The Powder Div. at Stations for general quarters By order of Comdr in Chief. Ensign S. P. Lemly was placed under suspension from duty for five (5) days offence - Inflicting an illegal punishment upon Frank Teighman (O.S. 2d)

(Signed) L. P. Jouett
Master.

From Merid to 4 P.M. Clear cool and pleasant with moderate to gentle breeze from S.S.W. At 100 P.M. the Pacific Mail steamer sailed for England At 325 made in sig 294 Flagship answered 904

(Signed) C. S. T. Moore,
Ensign

From 4 to 8 P.M. Clear and pleasant. Light breeze from S.S.W. to S.S.E. Bar steady

(Signed) L. P. Jouett
Master

From 8 P.M. to Mid. Clear and pleasant. Calm and light airs from W. Bar steady at 30 17.

(Signed) C. F. Courtis
Lieut

Moons phase Last qr. Dec. 5. 1°

Examined and found to be correct.

(Signed) C. F. Courtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.E.	N.N.W	2		30	16 60	49	48		bc	Cum	9	S	
2			N.N.W	"	3		30	15 60	46	46		"	"	9	"	
3			"	"	3		30	13 59	45	45		"	"	9	"	
4			S.S.W.	"	3		30	11 57	46	44		"	"	9	"	
5			W	"	3		30	11 57	43	43		b	None	10	"	
6			S.W.	"	3		30	11 57	43	43		"	"	10	"	
7			S.S.W.	"	3		30	11 56	43	42		"	"	10	"	
8			S.W by W	"	3		30	10 56	44	43		"	"	10	"	
9			"	N.W by N	3		30	10 55	46	46		"	"	10	"	
10			"	N.N.W	4		30	10 56	52	50		"	"	10	"	
11			S.W.	"	4		30	10 57	56	54		"	"	10	"	
Noon.			N.N.W.	"	4		30	09 58	58	55		"	"	10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth. ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 7700 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " " "

P. M.																
1			S.S.W	S.S.W	5		30	06 60	58	56		b	None	10	S	
2			"	"	5		30	06 60	58	56		"	"	10	"	
3			"	"	5		30	05 61	59	56		bc	Cirrus	8	"	
4			S.W by W	"	5		30	05 62	57	57		"	"	4	"	
5			S by W	S by W.	4		30	03 60	59	57		"	"	5	"	
6			S.S.W	S.W.W	3		30	02 60	58	57		"	"	5	"	
7			S.S.E	"	3		30	02 62	57	56		"	"	6	"	
8			S by E	"	3		30	03 62	56	55		"	"	6	"	
9			"	"	3		30	02 60	56	55		"	"	8	"	
10			"	"	3		30	02 60	54	53		"	"	9	"	
11			N.W	N.W by W.	3		30	02 60	53	52		"	"	9	"	
Mid.			"	N.W.	3		30	02 59	52	52		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, U. S. Navy;

Thursday May 15th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear cool and pleasant. Light to gentle breeze from N.N.W. Bar falling slowly 30.11

(Signed) L. L. Bruns
Midshipman

From 4 to 8 A.M. Clear and cool. Gentle breeze from N.N.W. Bar steady At 7.30 Flagship made gen sig 33.50 Received for crew 157 lbs fresh beef and 157 lbs vegetables

(Signed) L. P. Jouett
Master

From 8 A.M. to Merid. Clear and pleasant, with moderate breeze from N.W. by W. to N.N.W. At 945 made int sig. 6069 Flagship answered 93 4 Crossed T. G and Royal yards Breaking out hold. Recd in Pay. Dept 9000 lbs bread 2400 lbs beef. 2 bbls pork. 23 cases preserved meat. 6 bbls flour. 1 bbl rice 3 kegs dried fruit. 24 cases pickles 10 bbls sugar 3 chests tea 300 gals beans. 4 bbls molasses. 2 bbls vinegar 5 mess kettles 20 tin pots Quarterly board of Survey surveyed and condemned 2 bbls beef and 15 gals beans which were upon the boards recommendation thrown overboard

(Signed) G. B. T. Moore.
Ensign

From Merid to 4 P.M. Clear cool and pleasant. Stiff breeze from N.N.W. Recd in Pay Dept. 400 lbs. of butter in Medical Dept. 1/2 lb Nitric Acid 2 oz Tannic acid 1 lb slips of Tetmos Either 2 oz Subcarbonate of Bismuth 4 oz Chloral. 2 lb Sulphate 1 lb Tincture Chloride of Iron 1 lb Glycerine 1 oz. Iodine 5 lbs Flaxseed Meal 2 lbs Paregoric 1/2 lb Bicarbonate Potassa 1/2 lb Chlorate of Potassa 4 lb Rochelle salt. 1/2 lb Burgunda Pitch 5 oz Sulphate of Quinia 2 lbs Ground Mustard 1 oz Precipitated Carb. Zinc 50 official Envelopes 1 Bottle black Ink 1 bottle Red Ink 1 oz Sealing Wax Engaged in restowing hold. Bar steady 30.05

(Signed) L. L. Bruns
Midshipman

From 4 to 8 P.M. Clear and pleasant weather with moderate to gentle breeze from N.N.W. by W. and N.N.W. Cirro cumulo clouds Bar steady At 4.30 Flagship made prep sig 6070 answered. At 4.45 gen. sig 6070 answered sent down royal yards At 4.53 made int. 2985 Flagship answered and immediately after made prep 2984 answered. Finished stowing hold.

(Signed) G. B. T. Moore.
Ensign

From 8 P.M. to Mid. Clear cool and pleasant Gentle breeze from N.N.W. to N.W. Bar steady

(Signed) L. L. Bruns
Midshipman

Moons phase Last qr Dec 16 4h

Examined and found to be correct.

Signed G. W. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W.S.W	N.W	4.5		30	02	60	52	50	bc	Cirro Cum	9	S	
2			"	"	4.5		30	02	60	52	50	"	"	9	"	
3			"	"	4.5		30	02	59	49	48	"	"	9	"	
4			"	"	4.5		30	02	59	49	48	"	"	9	"	
5			S	"	4		30	00	56	49	48	b	None	10	"	
6			S W by S	"	4		30	00	55	46	46	"	"	10	"	
7			N.W	"	4		30	02	55	46	46	"	Cair Str	9	"	
8			"	"	3		30	03	55	47	46	"	"	8	"	
9			"	"	3		30	03	57	51	50	bc	"	8	"	
10			"	"	4		30	04	58	56	54	"	"	9	"	
11			W.	N.W by W	4		30	04	59	60	58	"	"	8	"	
Noon.			"	W N.W.	4		30	04	60	61	60	"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1900 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N W W	N W W	4		30	02	61	62	61	bc	Cir Str	9	S	
2			"	"	4		30	00	62	63	61	"	"	9	"	
3			"	W	3		30	00	62	63	62	b	None	10	"	
4			"	"	3		30	00	62	63	62	"	"	10	"	
5			W by W	W by W	2		30	00	62	61	60	bc	Str Cir	9	"	
6			"	"	2		30	00	62	61	60	"	"	9	"	
7			"	"	2		30	00	63	60	60	"	"	9	"	
8			"	"	2		30	00	63	59	58	"	"	9	"	
9			N W W	N W W	2		30	01	63	57	56	b	None	10	"	
10			"	"	2		30	01	63	56	55	"	"	10	"	
11			"	"	1		30	01	63	56	55	"	"	10	"	
Mid.			"	"	1		30	00	62	56	54	"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Friday May 16th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M. Clear and cool Moderate to stiff breeze from N.W. Bar steady.
(Signed) L. P. Jouett
Master

From 4 to 8 A.M. Clear and cool with moderate breeze from N.W. Bar rising slowly. Sea smooth At 7.30 Flagship made gen. sig. 3350 answered. Received fresh beef and vegetables for crew
(Signed) G. D. T. Moore
Ensign

From 8 A.M. to Merid. Clear and pleasant. Gentle to moderate breeze from N.W. to S.W.W. At 8.45 Hartford made sig. 60.71 At 9.55 crossed royal yards. At 9.15 sounded call to fire quarters exercised divisions at fire quarters Inspected divisions and bedding At 9.15 made Int sig 1017 Hartford answered 90 4. Aired bedding At 10 John McArdle (1 c.) reported his time out was allowed usual privileges. Theodore Berthelsen (Ld) was discharged from the Navy at his own request left the ship at 10 with his bag and hammock. Received in Paymasters Dept. 4 bbls Coffee Bar steady 30.04.
(Signed) G. L. Bryans
Midshipman

From Merid. to 4 P.M. Clear and pleasant. Gentle to moderate breeze from S.W.W. to W.
(Signed) L. P. Jouett
Master.

From 4 to 8 P.M. Clear and cool with gentle breeze from W.by N. Bar steady
(Signed) G. L. Bryans
Midshipman

From 8 P.M. to Mid. Clear and pleasant. Light breeze from N.W.W. Bar steady.
(Signed) L. P. Jouett
Master

Moored Chas. Last qr. Dec. 11.9m.

Examined and found to be correct.
(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES *Steamer "Essex"* 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. W.	N. W.	3		30 00	61	56	52		bc	Cirrocumulus	6	S	
2			"	"	5		30 00	61	56	52		"	"	8	"	
3			"	"	3		29 98	60	53	51		"	"	7	"	
4			N. W. by N.	"	4		29 95	60	55	54		"	"	1	"	
5			N. by W.	"	1.2		29 95	60	55	54		"	"	2	"	
6			"	"	1.2		29 95	60	55	54		"	"	2	"	
7			N.	W.	1.2		29 95	60	55	54		"	"	2	"	
8			"	"	1.2		29 95	60	55	54		"	"	2	"	
9			N. N. E.	N. W.	2		29 96	60	60	58		Cbc	"	3	"	
10			"	"	2		29 98	60	62	60		"	"	2	"	
11			N.	"	2		29 97	61	63	60		"	"	1	"	
Noon.			"	"	2		29 96	61	64	62		"	"	1	"	

P. M.																
1			N.	N. W. by W.	2		29 95	63	65	64		bcg	Cirrocumulus	3	S	
2			N. W. by N.	"	2		29 95	65	69	66		"	"	4	"	
3			"	Calm	0		29 93	65	72	69		"	"	6	"	
4			N.	S. E.	1		29 92	65	70	68		"	"	6	"	
5			N. E.	Calm	0		29 92	65	66	65		"	"	7	"	
6			"	"	0		29 92	65	65	64		"	"	7	"	
7			"	"	0		29 90	65	64	63		"	"	8	"	
8			N. by E.	"	0		29 91	64	63	62		"	"	8	"	
9			"	N. by E.	2		29 92	65	63	62		bc	"	7	"	
10			N.	"	2		29 90	65	63	62		"	"	5	"	
11			"	"	3		29 92	65	64	63		"	Cumulus	2	"	
Mid.			"	N.	4		29 92	65	64	63		0	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1600 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander. H. S. Schley, , U. S. Navy,

Saturday May 17th 79 , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool with gentle to moderate breeze from N. St. Bar falling
(Signed) G. T. T. Moore.
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Light breeze from N and St. A. M.S. "Elk" came in abd anchored at 7.30 Flagship made gen sig 3 3 5
(Signed) C. K. Curtis.
Lieut.

From 8 A.M. to Merid. Cloudy weather Hazy around horizon Light breeze from N. St. Bar falling
(Signed) L. P. Jouett
Master

From Merid to 4 P.M. Partly overcast with light breeze from N by E. lying to calms then light airs from S.E. Sent at liberty party on shore on special liberty
(Signed) G. T. T. Moore
Ensign

From 4 to 8 P.M. Clear overhead Hazy around horizon Calm. Bar steady
(Signed) L. P. Jouett
Master

From 8 P.M. to Mid. Calm and pleasant first part. Overcast at end of watch Light to moderate breeze from N by E and N. Bar Steady
(Signed) G. T. T. Moore
Ensign

Moons phase Last qr. Dec. N 14°

Examined and found to be correct.

Signed C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			X	XXW.	4		29 92	65	64	63		bc	Cir Cum	7	S	
2			"	XbyS	4.5		29 92	65	64	63		bcgl	"	4	"	
3			"	"	4.5		29 90	65	63	62		"	"	3	"	
4			"	X	4		29 88	65	63	62		bc	"	8	"	
5			"	XbyS	4.5		29 83	65	63	62		"	Cirr. Cum Nimt	5	"	
6			XXW.	XXW.	4.6		29 83	65	63	62		bcl.	"	3	"	
7			XWbyX	XWbyX	3.5		29 83	65	62	62		bcglr	"	1	"	
8			XW	"	3.6		29 85	64	62	62		rrlr	Nimt	0	"	
9			"	XW.	4		29 86	65	61	60		"	"	0	"	
10			WWbyW	"	4		29 86	65	61	60		rr	"	0	"	
11			XXW	XXN	4		29 85	64	60	60		"	"	0	"	
Noon.			XbyW	"	3		29 84	64	61	60		0	Cum Nimt	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			SW.	XW.	3		29 81	64	62	62		5	Cir Cum Nimt	0	S	
2			"	"	3		29 81	64	62	62		"	"	0	"	
3			"	"	3		29 81	64	62	62		bc	Cir Cum	5	"	
4			W.	W.	3.5		29 81	64	62	62		ofg	Cum Nimt	0	"	
5			XW.	WXW.	3.5		29 81	64	62	62		"	"	0	"	
6			SWbyW.	WSW.	4		29 82	65	60	60		"	"	0	"	
7			SbyW	SWbyW.	4		29 83	64	60	60		"	"	0	"	
8			"	"	4		29 88	64	61	61		ol.	"	0	"	
9			"	"	3		29 87	65	60	60		ofm	"	0	"	
10			S	SW.	2		29 88	65	60	60		"	"	0	"	
11			"	SWbyS	2		29 88	65	60	60		"	"	0	"	
Mid.			SSW.	SSW	2		29 88	65	60	60		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Sunday May 18th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. during the 2d and 3d hours of watch partially overcast Lightning from S.E. & N.E and stiff squalls. Moderate to stiff breeze from N.N.W to N by E Bar falling 29.88 Smooth sea.

(Signed) E. L. Bryne
Midshipman

From 4 to 8 A.M. Cloudy with stiff to fresh squalls first part of watch from N. by E. to N.N.W. by N. overcast and rainy latter part. At 7.30 Flagship made gen sig 3350 and at 7.45 made Telegraph 3545. 3637, & 6863 Answered. at 8 dressed ships masthead Uruguay at main in honor of the day.

(Signed) E. K. Curtis
Lieut

From 8 A.M. to Merid Overcast and rainy first three hours Moderate to gentle breeze from N.W. & N.N.W. At 10.30 the Brazilian iron clad. "Sete de Setembro" came in and anchored. At 12. "Hartford" and Italian Flagships fired national salute in honor of the independence of Uruguay.

(Signed) E. P. Moore
Ensign

Merid to 4 P.M. Overcast and pleasant clearing during third hour. Gentle to stiff breeze from N.W. to N. At 12.35 Brazilian iron clad "Sete de Setembro" got underway and stood up the river At. 1 battery on shore fired a salute of 21 guns. At 3 Hartford made prep sig 6143 At 3.10 sent down T.G. yards At. 3.15 wind suddenly shifted to N. Sky became overcast and dense fog passed over Occasional thunder. Bar steady 2981.

(Signed) E. L. Bryne
Midshipman

From 4 to 8 P.M. Overcast foggy and gloomy. with light breeze from N.N.W. first hour shifting suddenly to N.E. at 5.30, then gradually to E.S.E by N. At. sundown battery on shore fired salute of 21 guns in honor of the day.

(Signed) E. P. Moore.
Ensign

From 8 P.M to Mid. Overcast foggy misty and very damp Light to gentle breeze from E.S.E. by E to E.S.E. Bar steady 2988 Smooth Seas.

(Signed) E. L. Bryne
Midshipman

Moons Phase Last qr. Dec N 21°

Examined and found to be correct.

(Signed) E. K. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SW	SW.	1		29 90	64	61	60		oof	Nimb	0	S	
2			"	"	1		29 90	64	61	60		"	"	0	"	
3			"	"	1		29 90	64	61	60		"	"	0	"	
4			"	"	1		29 90	64	60	60		"	"	0	"	
5			SSE	Calm	0		29 90	64	60	60		ogm	"	0	"	
6			"	"	0		29 93	64	60	60		"	"	0	"	
7			"	SSE	2		29 95	64	60	60		"	"	0	"	
8			"	"	2		29 97	64	60	60		"	"	0	"	
9			SE	E by S.	2		29 99	64	61	60		omf	"	0	"	
10			E	E	2		30 00	64	61	60		"	"	0	"	
11			"	"	2		30 00	64	61	60		"	"	0	"	
Noon.			"	E by N	2		30 00	64	61	60		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 200 gallons.

Water Received. during the preceding 24 hours 1900 "

Water remaining on hand fit for use at Noon 2900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			E	E by N.	3		29 99	64	62	61		ocm	Nimb	0	S	
2			"	"	3		29 99	64	62	61		c	fair Nimb	2	"	
3			"	"	3		29 99	64	62	62		bc	bi cum	6	"	
4			"	"	3		30 00	64	62	62		"	"	8	"	
5			S by E	E	3		30 00	64	61	61		"	bi Str	6	"	
6			"	E by S.	3		30 00	64	61	61		"	"	6	"	
7			"	E	3		30 00	64	60	60		"	"	8	"	
8			"	E by N	3		30 00	64	60	60		"	"	8	"	
9			E	E NE	2		30 00	65	60	60		bh	Cum	10	"	
10			"	"	2		30 02	65	60	60		"	"	10	"	
11			"	"	2		30 02	65	60	60		"	"	10	"	
Mid.			"	"	2		30 02	65	60	60		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Sibley, U. S. Navy,

Monday May 19th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and foggy Light airs from S.W. Bar Steady.
(Signed) L. P. Jouett
Master.

From 4 to 8 A.M. Overcast and gloomy weather Calm first two hours and light breeze from S.S.E. last part. Pacific Mail Steamer from Valparaiso came in.
(Signed) C. P. Moore.
Ensign

From 8 A.M. to Merid. Light breeze from E by S. to E by N. At 9.15 inspected at quarters. 9.30 French Mail steamer came in from S.F. & P.C. The term of suspension of Ensign S. C. Lemly. U.S.N. having expired he was restored to duty Bar Steady 30.00
(Signed) C. H. Bruns
Midshipman

From Merid to 4 P.M. First part of watch cloudy and misty latter part clear and pleasant. Gentle breeze from E by N. Received 1900 gals of fresh water Placed Jere Murray (Lds) and Francis Giles (2 cl) in double irons to await action of Comdg Officer Offence Fighting and disobedience of orders.
(Signed) L. P. Jouett
Master

From 4 to 8 P.M. Clear and pleasant. Gentle breeze from E by S to E by N. At 5.30 mustered at quarters and served out clean hammocks Bar steady 30.00
(Signed) C. H. Bruns
Midshipman

From 8 P.M. to Mid. Clear and cool. Hazy around horizon Light breeze from E N E Bar steady
(Signed) L. P. Jouett
Master.

Moons phases New Moon Dec. 7h. 24°

Examined and found to be correct.
(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.	E by N	1		30 02	65	59	58		bz	Horse	10	S	
2			"	"	1		30 02	65	59	58		"	"	10	"	
3			"	"	1		30 02	65	59	58		"	"	10	"	
4			"	"	1		30 02	65	59	58		"	"	10	"	
5			NE	"	1		30 02	64	57	57		bc	Cirrocumulus	9	"	
6			E	E by E	2		30 02	64	57	57		"	"	8	"	
7			"	"	2		30 03	63	56	56		"	"	7	"	
8			E by N	N by E	2		30 03	62	56	56		"	"	7	"	
9			N N E	N E	3		30 03	62	58	58		"	"	7	"	
10			N E	"	3		30 03	62	61	60		c	Nimbus	3	"	
11			"	"	3		30 04	64	61	60		"	"	2	"	
Noon.			"	"	3		30 04	64	61	60		"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N E	N N E	3		30 01	64	63	62		bc	Cumulus Nimbus	2	S	
2			N N E	"	4		30 00	64	65	63		"	"	2	"	
3			"	"	4		29 98	64	65	63		oc	"	0	"	
4			"	"	3		29 98	64	65	63		"	"	0	"	
5			N E	N E	3		29 97	65	64	62		"	"	0	"	
6			"	"	4		29 97	66	64	62		"	"	0	"	
7			"	"	4		29 97	66	63	62		"	"	0	"	
8			"	"	4		29 97	66	63	62		"	"	0	"	
9			E by S	"	3		29 97	66	62	61		bc	"	6	"	
10			"	"	3.4		29 98	66	62	60		"	"	6	"	
11			E	"	2.5		29 98	66	59	59		bcq	"	5	"	
Mid.			"	"	2.5		29 98	66	59	59		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. A. Schley. , U. S. Navy,

Tuesday May 20th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M. Cloudless and cool Light airs from E by N. Sea smooth Bar steady 30.02
(Signed) S. C. Lemly
Ensign

From 4 to 8 A M Clear and pleasant Light airs to light breeze from E by N. to NE by E. Received 154 lbs fresh beef and 154 lbs vegetable for crew. Bar steady 30.03
(Signed) C. F. Bruns
Midshipman

From 8 a m to Merid. Clear first part. Overcast latter part. Gentle breeze from NNE At 845 Flagship made prep sig 5459 Answered At 850 gen sig 5459 Answered. Loosed sails and crossed T.G. Yards. By order of Comdg Officer Jere Murray (Lds) was placed in solitary confinement on bread and water for four days. Offence Disobedience of orders Francis Giles (2 Cl) was placed in double irons by same authority offence Fighting at 930 a m Mustered at quarters and drilled Co "B" in infantry tactics
(Signed) L. P. Jouett
Master

From Merid to 4 P M Overcast and cloudy with light to moderate breeze from NNE Smooth sea Bar falling At 215 "Hartford" made prep sig 4826 and then 4826 Furled sail Brazilian iron clad "Sete de Septembro" came in At 240 "Hartford" made Tel sig. 6323, 6853, 0631, 9409, 1788, 0970, 290, 2763. answered and sent an officer to make official visit to Brazilian ironclad At 335 "Hartford" made gen sig. 3918 Answered An English steamer (P. S. N Co) went to sea
(Signed) S. C. Lemly
Ensign

From 4 to 8 P M Overcast and cloudy Gentle to moderate breeze from NE. Bar steady At 440 Flagship made gen sig 6143 Sent down T.G. yards.
(Signed) L. P. Jouett
Master

From 8 P M to Mid. Partially clear. Cool. Moderate breeze from NE. fresh in squalls. last two hours Bar rising slowly. Sea smooth
(Signed) S. C. Lemly
Ensign

Moons phase First qr. Dec N. 24°

Examined and found to be correct.

(Signed) C. F. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E by N	NE	5.6		29 96	65	60	60		bcq	Cum Nimb	6	M	
2			"	"	4.6		29 96	65	60	60		"	"	5	"	
3			E NE	"	4.6		29 97	64	59	58		"	"	5	"	
4			"	"	4.6		29 97	64	59	58		"	"	6	"	
5			"	"	4.6		29 97	65	58	57		"	"	7	"	
6			"	"	4.5		29 95	65	57	56		"	Cir Cum	8	"	
7			E by N	E NE	4.5		29 95	64	57	56		"	"	5	"	
8			E	NE by E	4.5		29 95	63	58	57		"	"	4	"	
9			"	NE	4.5		29 95	63	61	60		"	"	3	"	
10			E by N	"	5.7		29 93	64	63	62		ocq	"	0	"	
11			E NE	"	5.7		29 91	64	64	63		"	"	0	"	
Noon.			E by N	"	5.7		29 90	65	65	64		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			E NE	NE by N	6.7		29 85	65	65	64		cq	Cum Nimb	0	M	
2			E by N	"	6.7		29 85	65	65	64		"	"	0	"	
3			E NE	"	6.7		29 85	65	65	64		"	"	0	"	
4			"	NNE	6.7		29 87	65	65	64		"	"	0	"	
5			NE	NE	3.5		29 87	66	65	64		cqk	"	0	S	
6			"	"	2.4		29 87	67	64	63		"	"	0	"	
7			"	"	2.4		29 87	68	63	62		cqr	Nimb	0	"	
8			NE by E	"	2.4		29 87	67	62	62		"	"	0	"	
9			E by N	"	6.7		29 87	67	67	62		"	"	0	M	
10			E	"	6.7		29 83	66	62	62		cuq	"	0	"	
11			"	"	6.7		29 83	66	62	62		"	"	0	"	
Mid.			E by N	"	6.8		29 80	66	62	62		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. A. Schley, U. S. Navy,

Wednesday May. 21st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Partially overcast with moderate to fresh breezes from N E blowing in squalls.
(Signed) C. P. T. Moore
Ensign

From 4 to 8 A M. Clear and cool Moderate to fresh breeze from E N E to N E. Bar steady Flagship made dress sig 3350
(Signed) L. P. Jouett
Master

From 8 A M to Merid Overcast and cloudy with fresh wind and strong squalls from N E. Moderate sea Bar falling slowly. At 915 mustered and inspected at quarters and afterwards exercised as per routine An Italian and a French steamer came in also two American vessels one a Whaler barque rigged the other a barkantine
(Signed) A. C. Leonly.
Ensign

From Merid to 4 P M Overcast with very fresh breeze from N E by N to N N E. blowing in squalls Moderate sea Exercised 2d Div at great guns Bar falling
(Signed) C. P. T. Moore
Ensign

From 4 to 8 P M Overcast and cloudy with light to moderate breeze and squalls from N E. Smooth sea Passing showers first two Steady Irons Idle two hours of watch Bar steady at 2987 A French steamer went to sea. Received 154 lbs fresh beef and 154 lbs vegetables for crew.
(Signed) A. C. Leonly
Ensign

From 8 P M to Mid Overcast and equally with fresh breeze to moderate gale from N E. Rainy first part. Bar falling
(Signed) C. P. T. Moore.
Ensign

Moons phase 1st qr Dec. N 26°

Examined and found to be correct.

Signed C. H. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E	NE	5.7		29 80	65	62	62		ogl	Cum Str & Nimb	0	S	
2			"	"	6.7		29 80	65	62	62		"	"	0	"	
3			ESE	"	6.7		29 80	65	62	62		og	"	0	"	
4			ESE by E	"	6.7		29 80	65	62	62		"	"	0	"	
5			E	"	5.7		29 77	65	63	62		"	"	0	"	
6			ESE	"	5.7		29 75	65	63	62		"	Nimb	0	"	
7			ESE by E	"	5.7		29 74	65	63	62		"	"	0	"	
8			ESE	"	5.7		29 74	65	63	62		ogp	"	0	"	
9			E by S	"	5.6		29 73	65	63	62		og	"	0	"	
10			ESE by E	SSE	5.6		29 73	66	65	63		bcg	Cum Str	2	"	
11			ESE by S	SSE by E	4.5		29 73	66	65	65		og	"	0	"	
Noon.			S by E	"	4		29 73	66	65	64		o	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 320 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2080 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S by E	S by E	5.6		29 73	67	67	65		bcg	Cum Nimb	4	S	
2			"	"	5.6		29 73	68	69	67		"	"	6	"	
3			"	"	5.6		29 73	68	69	68		"	"	6	"	
4			"	"	5.6		29 73	68	68	67		o	"	6	"	
5			SSW	SSE	4		29 75	68	66	65		od	"	0	"	
6			"	"	4		29 75	68	64	65		"	Nimb	0	"	
7			S	SE	5		29 75	68	63	63		"	"	0	"	
8			"	ESE	5		29 75	68	63	63		"	"	0	"	
9			SE	SE	3.5		29 75	68	63	62		"	"	0	"	
10			"	SSE	3.5		29 75	68	63	62		o	"	0	"	
11			SSE	SE by S	3.5		29 75	68	63	62		"	"	0	"	
Mid.			S	S	3.5		29 75	68	63	62		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Thursday May 22d, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M. Overcast equally and disagreeable Fresh to very fresh breeze from N E occasionally blowing very fresh in gusts Lightning during first two hours from N. Bar Steady 29.80

(Signed) C. L. Bruns
Midshipman

From 4 to 8 A M Overcast and equally with passing showers of rain last hour Moderate breeze from N E. very fresh in gusts Smooth sea Bar falling.

(Signed) D. C. Leonly
Ensign

From 8 A M to Merid. Overcast with stiff to fresh breeze from N E hauling to N by E. and moderating to moderate breeze Bar falling and sea smooth At 9 M mustered and inspected at quarters At 11 60 made Sat. sig 4560 Flagship answered got. Hoisted smoke stack and at 11.15 started fires in 4 boilers Hoisted in catamaran and rowl of cat and fish falls.

(Signed) C. P. T. Moore
Ensign

From Merid to 4 P M. Clear and pleasant. Stiff to fresh breeze from N by E. At 12 M Italian vessel of war "Governolo" fired a salute of 13 guns French ensign at fore At 12.45 French flagship "Venus" returned the salute gun for gun Italian ensign at the fore At 1.00 brought to the stbd chain and made preparations for getting underway At 1.05 made Sat sig 2259 Hartford answered got At 1.45 got underway and shifted berth At 2.00 French Admiral visited the Hartford At 2.10 Hartford fired a salute of 13 guns French ensign at fore and hoisting jib The salute was returned by flagship Venus gun for gun. American ensign at fore. At 2.50 came to anchor in 3½ fms of water, 45 fms on port chain Ports Bravo Bore E½ S. Serro N.W. At 2.55 made Sat. 4557 Hartford answered got At 4 hauled fires Shifted 4 swivel from shot chain to second shot of stbd chain replaced sheet swivel with bending shot of stbd cable Received in Paymasters Dept. 2 bbls Pork

(Signed) C. L. Bruns
Midshipman

From 4 to 8 P M Overcast with light rain between 5.30 and 7.00 o'clock Moderate to stiff breeze from N N E. to E N E Sea smooth and barometer steady At 4.45 Flagship made gen sig 2985 Answered

(Signed) C. P. T. Moore.
Ensign

From 8 P M to Mid. Overcast. drizzling rain first two hours Gentle to stiff breeze from N E to N. frequent stiff squalls Bar steady 29.75

(Signed) C. L. Bruns
Midshipman

Moons phase First qr. Dec N 26°

Examined and found to be correct.

(Signed) B. K. Cortes
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W.	S. S.E	4.5		29 71	66	63	63		ocg	Strat	0	S	
2			"	"	4.5		29 70	66	63	63		ocgb	"	0	"	
3			W	"	4.5		29 69	66	63	63		"	"	0	"	
4			"	"	4.6		29 67	66	63	63		"	"	0	"	
5			"	"	6.2		29 67	66	63	63		opg	"	0	"	
6			"	"	4		29 67	66	64	64		"	"	0	"	
7			"	"	4		29 67	66	64	64		"	"	0	"	
8			"	"	4		29 68	66	64	64		"	"	0	"	
9			"	"	4.5		29 69	65	63	63		ogd	"	0	"	
10			W.	"	4.5		29 69	65	63	63		"	"	0	"	
11			"	"	4.5		29 68	65	64	63		og	"	0	"	
Noon.			W W.	S by E	4.5		29 65	65	64	64		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1700 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S. S. W.	S by E	4		29 63	66	64	64		og	Strat	0	S	
2			W by W	W W.	3.4		29 62	66	65	64		"	"	0	"	
3			W W by W.	W W by W	3.4		29 62	66	64	64		"	"	0	"	
4			W by W	W by W	4		29 62	66	63	63		ogd	"	0	"	
5			W S W	W S W	4.5		29 63	66	62	62		ogdc	"	0	W	
6			"	S S W	4.6		29 63	66	61	62		og	"	0	"	
7			"	S S W	4.6		29 67	66	61	62		ogd	"	0	"	
8			S. W. by W.	S by W	5.7		29 70	66	61	62		"	"	0	"	
9			S	S by E	5.7		29 71	66	59	59		ocd	"	0	"	
10			"	S S W	5.7		29 72	66	58	58		"	"	0	"	
11			S W by S	S W by S	5.7		29 72	66	57	58		"	"	0	"	
Mid.			"	S. S. W.	5.7		29 72	66	57	57		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Friday May 23d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast cloudy and squally with passing showers of light drizzling rain Moderate to fresh breeze from N. W. & E. Bar falling

(Signed) L. P. Jouett
Master

From 4 to 8 A.M. Overcast Light squalls accompanied with rain first two hours Bar steady Sea smooth

(Signed) S. E. T. Moore
Ensign

From 8 A.M. to Meridn Overcast squally and disagreeable Drizzling rain first two hours. Moderate to stiff breeze from N.W. & W. to N.by E. At 9.03 Battery on shore fired a return national salute hoisting the French ensign At 9.15 sounded to fire quarters exercised divisions at fire quarters At 9.30 Flagship made gen sig 724. At 9.45 the Battalion fell in at quarters. Master Jouett Ensign Mayo and Ensign Lemly went on board Flagship as members of General Court Martial the latter as Counsel

(Signed) G. F. Downes
Midshipman

From Meridn to 4 P.M. Overcast and disagreeable Gentle to moderate breeze from N.by E. to N.by W. Squally Drizzling rain latter part of watch. At 1.45 "Hartford" made gen sig 396 Smooth sea Bar steady.

(Signed) F. A. Doran
Boatswain

From 4 to 8 P.M. Overcast disagreeable and squally Moderate to very fresh breeze from N.W. by W. to S.by E. Drizzling rain At 4.35 all hands to dinner Ship passed over. At 4.40 rigged in 1st cutter and lowered booms Secured broadside guns. Secured pivot and Rifle guns for sea At 4.40 Flagship made gen sig 298 At 7.45 veered to 60 fms Weather threatening Bar rising 29.67 Moderate sea Strong tide from S.W.

(Signed) G. F. Downes
Midshipman

From 8 P.M. to Midn Overcast and squally with light drizzling rain Stiff to very fresh breeze from S.S.W. to S.W. by S. Bar steady

(Signed) L. P. Jouett
Master.

Moons phase First qr Dec. N 25°

Examined and found to be correct.

(Signed) C. F. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S W	S S W	4.7		29 73	66	57	56		fr	Nimb	0	R	
2			"	"	4.7		29 74	65	57	56		"	"	0	"	
3			"	"	4.7		29 75	65	57	56		"	"	0	"	
4			"	"	4.7		29 75	65	56	56		"	"	0	"	
5			"	"	5.7		29 75	65	56	56		od	"	0	"	
6			"	S W by S	5.7		29 76	65	56	56		0	"	0	M	
7			"	"	5.7		29 77	65	56	56		od	"	0	"	
8			"	"	5.7		29 80	64	56	56		"	"	0	"	
9			S by W	S	5		29 83	64	56	56		"	"	0	"	
10			S S W	"	5		29 86	64	56	56		oc	"	0	"	
11			"	S by W	6.7		29 87	64	56	55		"	"	0	"	
Noon.			S by W	S	5.7		29 89	64	56	55		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S S W	S by W	5		29 89	61	56	55		oc	Nimb	0	M	
2			S S W ½ W	"	4.7		29 90	61	56	55		"	"	0	"	
3			S S W	"	4.7		29 92	61	57	55		"	"	1	"	
4				"	5		29 94	60	57	55		"	Cum Nimb	1	"	
5			S by W	"	3.4		29 95	61	56	56		"	"	1	"	
6			S	S S W ½ W	2.3		29 98	62	56	56		"	"	1	"	
7			S W by S	S S W	2.3		30 00	62	56	55		"	"	1	"	
8			"	S by W	2.3		30 02	62	56	54		"	"	1	"	
9			"	"	3.3		30 02	62	56	54		bc	"	5	"	
10			"	"	3		30 04	62	55	54		"	"	5	"	
11			"	"	3.4		30 04	62	55	54		"	"	6	"	
Mid.			"	"	3		30 10	62	55	54		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Saturday May 24th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and rainy with moderate to very fresh breeze and squalls from S. W. Rough sea Bar rising slowly

Signed) S. S. Lemly
Ensign

From 4 to 8 A.M. Overcast and disagreeable Stiff to very fresh breeze from S. S. W. to S. W. by S very fresh in squalls Drizzling rain Rough to moderate sea At 6 Royal mail steamer came in from seaward and anchored At 8 dressed ship English flag at main Bar rising 29.8

Signed) G. G. Downes
Midshipman

From 8 A.M. to Meridn Cloudy and drizzling rain Stiff to very fresh breeze from S. to S. S. W. Sea moderating At 9.30 Flagship made gen sig 3747 Bar rising At 10 English bark came in and anchored off our stbd quarter.

Signed) F. A. Doran.
Boatswain

From Meridn to 4 P.M. Cloudy all the watch with passing showers first two hours Moderate to very fresh breeze from S by W. At 12 Flagship fired a national salute in honor of the birth day of Queen Victoria At 1.40 English gunboat left the harbor and stood down the river

Signed) W. H. Richardson.
Carpenter.

From 4 to 8 P.M. Overcast cloudy Light passing squalls latter part of watch. Light to moderate breeze from S by E. to S. E. ½ E. Bar rising At 4.30 Flagship made gen sig 3967 and geogl sig 7306. Answered.

Signed) F. A. Doran
Boatswain

From 8 P.M. to Mid Partially clear cool Moderate breeze from S by E. Moderate sea Bar rising

Signed) S. S. Lemly.
Ensign

Moons phase First qr Decl ℞ 23°

Examined and found to be correct.

Signed) C. F. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SSE	S	4 b		30 13	61	56	54		bcq	Cum	3	M	
2			SE	"	4.5		30 14	61	56	54		"	"	4	"	
3			S by E	"	4		30 14	61	56	54		bc	Cum Nimb	4	"	
4			SSW	S by E	4		30 16	61	56	54		"	Cum	5	"	
5			"	S by W	4		30 18	61	56	54		"	Cum Nimb	3	"	
6			"	"	4		30 18	61	56	54		"	"	3	"	
7			S W by S	"	4		30 20	61	56	54		"	Cir Cum	6	"	
8			"	"	4		30 23	60	56	54		"	"	8	"	
9			"	"	4		30 26	60	56	55		"	"	8	S	
10			"	"	3		30 29	60	56	55		"	"	8	"	
11			SSW	"	3		30 29	60	56	55		"	"	5	"	
Noon.			"	"	3		30 29	61	57	55		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			SSW	S by W	4		30 29	61	57	56		bc	Cir Nimb	6	S	
2			"		4		30 29	61	57	56		"	"	6	"	
3			"	SSW	3		30 29	61	57	56		"	"	7	"	
4			"	"	3		30 27	61	56	55		"	"	7	"	
5			S W by W	S	2		30 28	61	56	55		"	"	7	"	
6			"	"	2		30 28	61	55	55		"	"	7	"	
7			"	"	1		30 28	61	55	54		"	"	7	"	
8			"	"	1		30 29	61	55	54		"	"	7	"	
9			W by S	SW	1		30 29	60	56	55		b	Nimb	10	"	
10			"	"	1		30 29	60	56	55		"	"	10	"	
11			W	W	1		30 29	60	56	55		"	"	10	"	
Mid.			"	W by W	1		30 29	60	55	55		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander U. S. Schley, U. S. Navy,

Sunday May 25th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Clearing with moderate to fresh breeze from S. blowing in squalls. and moderate breeze from S. to S by E. Bar rising Sea moderate (Signed) L. P. Moore. Ensign

From 4 to 8 A M Partially cloudy first part of watch latter part clear and pleasant Moderate breeze from S by W At 7 50 Flagship made preps sig 6 1 4 4 At 8 sent up T.G. masts and crossed T.G. yards. A bark rigged Spanish man of war and a French steamer came in and anchored By order Lieut Cmdg Officer Lieut Asa Walker was placed under suspension Bar rising At 8 dressed ships with mast heads flags Uruguayan at the main (Signed) L. P. Jouett Master

From 8 A M to Merid. Clear and pleasant weather Light breeze from S by W. Smooth sea Bar steady last three hours At 9 made int sig 1 0 4 9 to Flagship and num. 48. Flagship answered and made 9 o4. At 9 50 mustered and inspected divisions and at 10 Commander inspected ships and crew at quarters At 10 30 call all hands to muster and Commander read prayers read ~~prayers~~ By order of Commander. J. Murray (Lds) and Francis Giles (2 Cl) were released from confinement By same authority both were reconfined as follows J. Murray (Lds) in double irons for fighting, and Francis Giles 2 Cl in solitary confinement on bread and water for disobedience of orders. Served out liberty money to port watch At 12 M Hartford French frigate "Venus" Spanish corvette "Numancia." Belgian steamer "Governor" and battery on shore fired national salute in honor of the day. (Signed) L. P. Lemly Ensign

From Merid to 4 P. M. Clear and pleasant. with moderate breeze from S by W. and gentle breeze from S S W. Sent a liberty party on shore. (Signed) L. P. Moore. Ensign

From 4 to 8 P M Clear and cool Light air from S. and S E. Smooth sea Bar rising slowly. Received on board fresh beef and vegetables for crew. (Signed) L. P. Lemly Ensign

From 8 P M to Mid. Clear and cool with light airs from S W. and from E to E N E Bar steady Sea smooth (Signed) L. P. Moore. Ensign

Moons phase First qr Decl N. 20°

Examined and found to be correct.

Signed C. E. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N	N E			30 27	60	57	57		6	Nimbus	10	S	
2			N N W	N N E			30 27	60	57	57		"	"	10	"	
3			N W N	N			30 27	60	57	51		"	"	10	"	
4			N W	N by E			30 27	60	57	51		"	"	10	"	
5			N W by W	"	3		30 27	60	57	51		"	"	10	"	
6			"	"	3		30 27	58	48	48		bc	Cirrus	7	"	
7			"	"	3		30 27	57	46	46		"	"	5	"	
8			"	"	3		30 27	56	46	46		"	"	5	"	
9			"	"	3		30 27	55	50	50		"	"	6	W	
10			"	N W by N	3		30 28	52	53	51		"	"	7	"	
11			N	N	3		30 29	57	55	53		"	"	8	"	
Noon.			N N	N W by W	4		30 27	57	52	54		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	300	gallons.
Water Received during the preceding 24 hours	2100	"
Water remaining on hand fit for use at Noon	2900	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1			N	N N W	4		30 25	58	56	54		bc	Cirrus	4	W	
2			N N W	N	5		30 24	59	57	56		"	"	4	"	
3			N W	N N W	5.6		30 24	60	57	56		"	"	4	"	
4			N by W	N by W	5.6		30 24	60	57	57		"	"	4	"	
5			N W N	N W N	4		30 24	60	56	56		"	Str.		S	
6			"	"	2		30 22	60	55	52		"	"		"	
7			"	"	2		30 21	60	54	53		"	"		"	
8			N by W	"	2		30 21	60	52	53		"	"		"	
9			N W N	"	2		30 21	60	53	52		"	"		"	
10			"	"	2		30 21	60	53	52		"	"		"	
11			N W	"	4		30 21	60	53	52		"	"		"	
Mid.			"	"	3		30 21	60	53	52		"	"		"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander H. S. Schley, U. S. Navy,

Monday May 26th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M Clear and pleasant light breeze from NE to NNW by N. Smooth sea Bar Steady 30.27

(Signed) G. L. Brune
Midshipman

From 4 to 8 A M Clear and cool with light wind from NNW by N. Smooth sea Bar steady 30.27 At 7.30 Flagship made gen sig 38.50

(Signed) S. Schley
Engineer

From 8 A M to Meridian Clear and pleasant Light breeze from N by W by N. changing to N. At 8.40 Flagship made gen sig 54.55 loosed sail At 8.45 made sig. of execution At 9.15 mustered crew at quarters At 9.40 Flagship made gen sig 32.47. At 10.40 the French vessels of war Venus and Bouat left the roads and stood to S. W. At 11.25 officer from the Brazilian corvette Trajuna called on Comdg Officer Recd 2100 gals fresh water

(Signed) N. H. Richardson
Carpenter

From Meridian to 4 P M Cloudy cool and pleasant Moderate to fresh breeze from N by W to W.S.W. At 12.50 Flagship made prep sig 4.26 At 1. gen sig 4.26. and furled sails At 1 French gun boat Talotique came in from up river and anchored French Flagship Venus and gunboat Bouat exercising in manoevers and at 1.20 came to anchor. Received fresh provisions for crew 154 lbs beef and 154 lbs vegetables At 3.30 Flagship made gen sig 29.84 Moderate sea Bar steady 30.24

(Signed) G. L. Brune
Midshipman

From 4 to 8 P.M. Clear and pleasant light airs from W by N. Lieut Asa Walker was released from suspension by order of Comdg Officer

Signed N. H. Richardson
Carpenter

From 8 P M to Mid Clear cool and pleasant. Light to moderate breeze from N by W to W At 9.50 Moored ect. Smooth sea Bar Steady 30.21

(Signed) G. L. Brune
Midshipman

Moon phase First qr. Dec. N. 15°

Examined and found to be correct.

(Signed) B. H. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.	N by W	3		30 21	59	54	52		bc	Str	9	S	
2			"	"	4		30 21	58	52	50		"	"	9	"	
3			N W	"	4		30 21	58	50	50		"	"	9	"	
4			"	"	4		30 21	58	52	52		"	"	9	"	
5			N	"	4		30 21	58	52	52		"	"	8	"	
6			"	N by W	4		30 22	58	53	52		"	"	8	"	
7			"	"	4		30 22	58	53	52		"	"	8	"	
8			"	N	3		30 22	58	53	52		"	fair Str	7	"	
9			"	"	3		30 23	57	54	53		"	"	8	"	
10			N N W	"	3		30 24	58	56	55		"	"	8	"	
11			N by W	"	3		30 25	59	58	56		"	"	8	"	
Noon.			N W.	"	3		30 25	60	58	56		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 200 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S W by W.	S W by W	3		30 25	60	59	59		bc	fair Str	9	S	
2			S	S.	3		30 25	61	59	59		"	"	9	"	
3			S by W.	S by W	3		30 25	61	61	60		"	"	8	"	
4			S	S	3		30 23	61	61	62		"	"	8	"	
5			"	"	3		30 23	61	61	60		"	"	8	"	
6			"	S by W	3		30 22	62	57	57		"	"	9	"	
7			S S W	S W W	2		30 22	61	57	56		"	"	9	"	
8			"	"	2		30 22	61	57	56		"	"	9	"	
9			S W	"	2		30 22	61	56	54		"	Cirro	10	"	
10			"	"	2		30 22	61	56	54		"	"	10	"	
11			S	"	2		30 22	61	55	54		"	"	10	"	
Mid.			"	"	2		30 21	61	57	54		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Tuesday May 27th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cool Gentle to moderate breeze from N N E. Bar steady
(Signed) L. P. Jouett
Master

From 4 to 8 A M Clear cool and pleasant with moderate to gentle breeze from N N E to E. Bar steady Sea smooth Two F & A steamers and a Pacific Steamer came in and anchored
(Signed) C. P. T. Moore
Ensign

From 8 A M to Merid Clear cool and pleasant. Gentle breeze from E. At 9 30 Hartford made gen sig 2247. At 9 35 officers on duty on general court martial left for flagship At 10 30 Admiral Nichols made an official visit to the French Admiral At 10 30 The Flagship "Venus" fired salute of 13 guns. American ensign at fore. Hartford returned salute gun for gun. Sent John McArdle (Cox'n) on shore to hospital Smooth sea Bar steady 30.25
(Signed) C. L. Brune
Midshipman

From Merid to 4 P M Clear and pleasant. Gentle breeze from S E by E to E. At 3. officers on duty on Genl Court Martial returned to ship Bar steady Sea smooth
(Signed) F. A Swan
Boatswain

From 4 to 8 P M Clear cool and pleasant. Light breeze from E. to N N E. At 4 45 "Hartford" made gen sig 2965 Smooth sea Bar steady 30.2 Bright moonlight last three hours
(Signed) C. L. Brune
Midshipman

From 8 P. M to Mid Clear and cool Light breeze from N N E. Bar steady.
(Signed) L. P. Jouett
Master

Moore Chas First gr. Dec. K. 10°

Examined and found to be correct.

(Signed) C. K. Curtis Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SSE	W.	2		30 20	60	56	56		b	None	10	S	
2			"	"	2		30 19	60	55	54		"	"	10	"	
3			"	"	2		30 18	59	55	53		"	"	10	"	
4			"	"	2		30 17	58	54	53		"	"	10	"	
5			W W	W W W	2		30 17	58	54	53		"	"	10	"	
6			"	W W by W	2		30 17	58	50	50		bc	"	10	"	
7			W W by W	W W	2		30 17	58	50	50		f	"	0	"	
8			W W	"	2		30 17	58	49	49		"	"	0	"	
9			"	W W by W	2		30 17	56	50	50		"	"	0	"	
10			W by W	W by W	2		30 17	55	53	53		"	"	0	"	
11			W by S	W by S	2.3		30 16	57	55	54		bc	Cir Str	6	"	
Noon.			"	"	2.3		30 15	58	57	56		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S S W	S S W	2		30 12	60	58	56		bc	Cir Str	9	S	
2			"	"	2		30 11	60	58	56		"	"	9	"	
3			"	"	2		30 10	62	59	58		"	"	9	"	
4			S W by W	"	2		30 10	63	59	58		"	Str	8	"	
5			"	"	1		30 10	63	57	58		"	"	8	"	
6			"	"	2		30 08	61	57	56		"	"	8	"	
7			"	"	0		30 08	60	56	56		"	"	8	"	
8			W by S	"	0		30 07	59	56	55		"	"	8	"	
9			W	S W	3		30 07	58	56	55		b	None	10	"	
10			S S W	"	3		30 05	57	56	55		"	"	10	"	
11			S S	"	3		30 05	57	55	55		"	"	10	"	
Mid.			S	"	2		30 04	56	54	53		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Wednesday May 28th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Cloudless and cool with light breeze from N. Smooth sea Bar falling slowly
(Signed) S. P. Lemly
Ensign

From 4 to 8 AM Clear cool and pleasant during first part of watch Light breeze from N. N. W. to W. At 530 heavy fog rose to 7/4 Mile Shortly after settling to a very dense fog which continued during remainder of watch Bar Steady 30.17.
Signed G. L. Byrne
Midshipman

From 8 AM to Meridian Overcast damp and foggy first two hours Clear and pleasant last two Gentle variable breeze Bar falling slowly Smooth sea At 10 20 Brazilian Corvette got underway and left the harbor. Discharged at his own request from this ship and Naval service Thomas Buckley (Sea) he waiving all claims from the U. S. Government to any consideration Sent std watch on shore for 48 hours.
(Signed) F. A. Doran
Boatswain.

From Meridian to 4 P. M. Clear and pleasant Gentle breeze from N. E. at 1 P. M. the French Admiral visited and hoisted his flag on the "Nuat." At 225 French Admiral returned to the "Venus" where his flag was again hoisted Received 1 bbl. Molasses and 3 bbls Pork in Bureau of Provisions and clothing Bar Steady at 30.10 last two hours
(Signed) H. H. Richardson
Carpenter.

From 4 to 8 P M Clear and pleasant first two hours Light airs from N. E. Last two hours calm Sea smooth Bar unsteady Received on board fresh provisions for crew
(Signed) F. A. Doran
Boatswain

From 8 P M to Mid Clear and cool Gentle to light breeze from N. E. Bar falling slowly Sea smooth
(Signed) G. F. T. Moore
Ensign

Moons phase First qr Dec. 7 5h

Examined and found to be correct.
Signed C. F. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E	NNW	1		30 04	56	54	53		b	Hom	10	S	
2			"	"	1		30 04	56	54	53		"	"	10	"	
3			"	"	1		30 04	56	54	53		"	"	10	"	
4			"	"	1		30 04	56	54	53		"	"	10	"	
5			ENE	NW	3		30 00	56	53	52		bc	fair Cum	8	"	
6			"	"	3		30 00	56	50	50		"	"	7	"	
7			"	"	3		30 02	56	51	51		"	"	8	"	
8			"	"	3		30 03	56	52	51		"	"	8	"	
9			"	NNW	3		30 05	57	54	52		"	"	7	"	
10			"	"	2		30 06	59	58	56		"	"	7	"	
11			"	"	2		30 06	60	61	59		"	"	7	"	
Noon.			"	"	2		30 05	62	63	62		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2000 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.																
1			SW ½ S	SW	2		30 05	62	63	62		bc	Cum	6	S	
2			"	"	2		30 05	62	63	62		"	"	8	"	
3			S ½ E	"	2		30 05	62	63	62		"	"	9	"	
4			E	"	2		30 00	62	62	62		"	"	7	"	
5			"	"	1		30 00	62	61	61		"	"	6	"	
6			ESE	"	1		30 00	63	61	60		"	"	5	"	
7			"	"	1		30 02	63	61	60		"	fair Cum	5	"	
8			NNW	"	1		30 02	64	60	59		"	"	5	"	
9			"	NNW	1		30 03	64	60	60		"	Cum	3	"	
10			NW	"	1		30 04	64	60	60		"	"	3	"	
11			"	"	1		30 05	64	61	60		"	"	3	"	
Mid.			ESE	Calm	0		30 05	64	61	60		"	Cum Nimb	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander U. S. Sebley, U. S. Navy,

Thursday May 29th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M Cloudless and cool with light airs from N N W. Smooth sea Bar falling

(Signed) L. P. Lemly
Ensign

From 4 to 8 A M Clear and pleasant. Gentle breeze from N W. Bar rising slowly Sea smooth At 730 Flagship made gen sig 3350 Answered

(Signed) L. P. Jouett
Master

From 8 A M to Merid Clear and pleasant Gentle breeze from N W. At 845 Flagship made gen sig 3455 Answered and loosed sail At 1130 Flagship made gen sig 4826. Answered and furled sail At 1145 French gunboat "Bruat" got underway and left the harbor Bar steady Sea smooth

(Signed) L. P. Lemly
Ensign

Merid to 4 P M Clear and pleasant Gentle breeze from W. At 1240 Flagship made gen sig 3247 At 330 French corvette "Bruat" came to anchor in inner harbor Received 15 lbs fresh beef and 15 lbs vegetables for crew Bar steady first three ~~days~~ hours fell .05 last hour. (Signed) W. W. Richardson
Carpenter.

From 4 to 8 P M Clear and pleasant with light airs from W. Smooth sea Bar rising slowly At 450 Flagship made gen sig 2985 A French steamer went to sea

(Signed) L. P. Lemly
Ensign

From 8 P M to Mid Partially overcast and warm with light airs from N N W and calm Bar rising Sea smooth.

(Signed) D. D. Moore
Ensign

Moon's phase 2d qr Dec. S. 1°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			ESE	NNW	1		30 05	60	61	60		b f w	None	10	S	
2			E by S	NNW	1		30 05	60	61	60		b w	"	10	"	
3			E	"	1		30 04	61	62	61		"	"	10	"	
4			E by S	N by W	1		30 04	61	62	61		b c u p	Cum Nimb	6	"	
5			N by S	W	1		30 03	63	59	58		b c	"	0	"	
6			"	S	2		30 05	63	59	58		"	"	0	"	
7			S W	"	3		30 05	63	59	58		"	"	0	"	
8			"	"	3.5		30 08	61	58	58		"	"	0	"	
9			"	S S E	3		30 10	62	59	58		b	"	0	"	
10			S W by W	S E	2		30 11	62	59	58		b c	Cum	4	"	
11			S W by S	S S E	4		30 12	62	60	60		"	"	3	W	
Noon.			S by W	"	4.5		30 12	63	59	58		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1700 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S by E	S S E	4		30 10	63	59	58		b c	Cir Cum	4	W	
2			S E by S	S E by S	4		30 10	62	58	57		"	"	3	"	
3			S E	S E	5		30 10	62	58	57		"	Cum Str + Nimb	2	"	
4			"	"	5		30 10	62	57	56		"	"	1	"	
5			S E by S	S E by S	5		30 10	61	56	55		o	Cum Str	0	"	
6			"	"	4		30 10	61	55	54		"	"	0	"	
7			"	S E	4		30 12	62	54	53		"	Cum Nimb	0	"	
8			S by E	"	3.5		30 12	62	54	53		"	"	0	"	
9			S by W	S S E	3.5		30 12	62	54	53		o g	"	0	"	
10			"	"	3.5		30 12	62	54	53		"	"	0	"	
11			"	S E	3.5		30 12	62	54	53		"	"	0	"	
Mid.			S S E	E S E	3.5		30 12	62	56	54		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Friday May 30th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 a M Clear first three hours Light airs from N W to N by W a dense fog passed over at 1. Light passing showers latter part of last hour Very damp Bar steady at 30.04

(Signed) C. L. Brownson
Midshipman

From 4 to 8 A M Overcast and cloudy Light airs from N. first hour after which light to moderate breezes from S. Seas smooth Bar steady A German steamer came in and two American Whalers shifted berth to inner harbor At 7 30 Hartford made gen sig 3350

(Signed) S. C. Lemly
Ensign

From 8 A M to Merid Overcast and cloudy Light airs from N. first hour At 9 37 Flagship made gen sig 3247 Francis Giles (pvt) and J. Murray (do) were released from confinement by order of Comdg Officer The Admiral visited Brazilian iron clad "Ete de Septembro" Starboard watch returned from liberty at 10 30 Light air to moderate breeze during the watch Bar steady last two hours at 30.12

(Signed) A. H. Richardson
Carpenter

From Merid to 4 P M Cloudy cool and pleasant Moderate to stiff breeze from S S E to S E Roused up and took turns out of port chain Exercised and instructed Apprentices in signals Moderate sea Bar steady 30.10

(Signed) C. L. Brownson
Midshipman

From 4 to 8 P M Cloudy and cool Stiff to moderate breeze from S E by S. to S. E. Belgian steamer came in and anchored in outer roads Bar steady first two hours last two went up .02 Steady at 30.12

(Signed) A. H. Richardson
Carpenter

From 8 P M to Mid. Overcast equally and pleasant. Gentle to stiff breeze from S S E to E S E. At 11 40 J. Donovan (2cl) returned on board Moderate sea Bar steady 30.12.

(Signed) C. L. Brownson.
Midshipman

Moon Phase 3d qr. Dec. S. 8°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S	S E	3.4		30 12	61	55	54		C	Cum Lim	3	S	
2			"	"	3.4		30 12	61	55	54		"	"	3	"	
3			"	"	3		30 11	61	55	54		"	"	2	"	
4			"	"	3		30 11	61	56	55		"	"	2	"	
5			"	"	3		30 11	61	56	54		bc	"	2	"	
6			"	S S E	3		30 11	61	56	55		"	"	2	"	
7			S W by S	"	3		30 11	61	56	55		"	"	2	"	
8			W by S	S by W	2		30 12	61	56	55		"	"	2	"	
9			W S W	S S E	3		30 12	61	57	56		"	"	3	"	
10			"	S S E	3		30 13	61	58	57		"	"	2	"	
11			S W	S E	3		30 13	61	59	58		0	"	2	"	
Noon.			"	"	3		30 12	61	58	58		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			W by S	S	3		30 10	61	58	58		0	Cum Lim	0	S	
2			S W by S	"	3		30 09	61	59	58		"	"	0	"	
3			S S W	"	3		30 09	61	58	56		"	"	0	"	
4			S by W	"	3		30 09	61	58	56		"	"	0	"	
5			S by E	S W	3		30 09	61	57	56		bc	Cir Cum	4	"	
6			"	"	2		30 07	60	57	56		"	"	5	"	
7			"	"	2		30 05	60	57	56		"	"	6	"	
8			S	Calms	0		30 05	60	57	56		"	"	7	"	
9			S W	"	0		30 07	60	56	54		"	"	8	"	
10			W	W by S	1,2		30 07	60	56	54		"	"	7	"	
11			"	W	2		30 05	60	56	54		"	"	6	"	
Mid.			"	W W	2		30 05	60	56	54		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Saturday May 31st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool Gentle to moderate breeze from S.E. Bar steady
(Signed) L. P. Jodett
Master

From 4 to 8 A.M. Partially overcast but pleasant with gentle to light breeze hauling from S.E. to S. by W. U.S.S. came in and anchored in inner harbor
(Signed) G. P. T. Moore
Ensign

From 8 A.M. to Merid. Cloudy overcast and pleasant. Gentle breeze from S.S.E. to S.E. J. Donovan (2 cl) was confined in double irons to await trial of Summary Court by order of Comdg Officer At 9.35 the Captain and other officers of the Genl Court left the ship Smooth sea Bar steady
30.12
(Signed) G. L. Prynes
Midshipman

From Merid to 4 P.M. Clear and pleasant. Gentle breeze from S. At 12 Flagship made gen sig 396 7 with Italian ensign at the main English man of war standing in from sea Bar steady
(Signed) T. A. Doran
Boatswain

From 4 to 8 P.M. Clear cool and pleasant Gentle to light breeze from S.W. Calm last hour At 4.25 P.M. "Garnet" came in from S.E. & E. and anchored At 4.30 the "Garnet" fired a salute of 21 guns Uruguayan flag at main and at 4.50 a salute of 13 guns French Flag at the fort. The French Flagship "Venus" returned the salute gun for gun Bar falling 30.05
(Signed) G. L. Prynes
Midshipman

From 8 P.M. to Mid. Clear and cool Calm and light airs from W. by S. to W.N.W. Moonlight Bar steady
(Signed) L. P. Jodett
Master

Moons Phase 2d qr Decl S 14°

Examined and found to be correct.
(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S W	W by W	2		30 02	57	55	54		bc m	Cir Cum	5	S	
2			"	"	2		30 02	57	55	54		bc	"	5	"	
3			"	"	3		29 99	57	54	52		"	"	5	"	
4			"	"	3		29 99	55	54	52		bc m	"	5	"	
5			W S	W W	4		29 98	55	52	51		bc w	"	4	S	
6			W S by W	W W by W	4		29 97	54	52	52		"	"	5	"	
7			W W S	W W W	4		29 97	54	50	50		bc h	"	5	"	
8			W W	W W	5		29 96	54	49	49		"	"	5	"	
9			W W W	"	5		29 96	55	51	50		bc	"	4	"	
10			W	W W by W	5		29 95	56	52	52		"	"	3	"	
11			"	W W W	5		29 95	56	53	53		"	"	2	"	
Noon.			"	"	6		29 94	56	53	53		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			W by W	W by W	6		29 91	57	54	52		bc	Cir Cum	5	S	
2			W	W	6		29 88	58	55	54		"	"	5	"	
3			"	"	6		29 87	59	57	55		"	"	5	"	
4			"	"	6		29 87	58	56	54		"	"	4	"	
5			"	"	5		29 85	58	56	54		"	"	3	W	
6			S W	W by S	4		29 85	58	56	54		"	"	2	"	
7			S W by S	W S W	6		29 85	59	57	55		c	"	0	"	
8			"	"	6		29 87	60	57	55		"	"	0	"	
9			"	"	6		29 87	60	56	56		"	"	0	"	
10			"	"	6		29 87	60	56	56		"	"	0	"	
11			"	"	6		29 87	60	56	56		"	"	0	"	
Mid.			"	S W by S.	6		29 87	60	56	56		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Sunday June 1st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partially cloudy cool and damp. Smooth sea Bar falling
(Signed) S. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy cool and pleasant hazy and very damp Moderate to stiff breeze W.N.W. to W.N.W. Bar falling 29.96 Special liberty party returned
(Signed) C. F. Bruns
Medo[illegible]man

From 8 A.M. to Merid. Partially cloudy cool and damp Stiff to fresh breeze from W.N.W. to W. Bar steady At 8 dressed ship with mast head flags, Italian at the main. At 9h5 had general inspection afterwards held divine service read the Articles for the Better Government of the Navy and then general muster Found Thos Matthews (Ord) absent without leave At noon the Italian French English and American Flagships and battery on shore fired a national salute Italian Flag at the main
(Signed) L. P. Jouett
Master

From Merid to 4 P.M. Partially clear. Cool. Fresh breeze from W by N and W. Smooth sea At 12.45 Battery on shore fired a salute of 21 guns with the English flag hoisted
(Signed) S. C. Lemly
Ensign

From 4 to 8 P.M. Generally cloudy and cool Moderate breeze from W to W.S.W. At 5 Flagship made gen sig 29 85
(Signed) L. P. Jouett
Master

From 8 P.M. to Mid. Cloudy and cool Fresh breeze from W.S.W. hauling to W. last hour. Bar steady at 29.85 Sea moderate
(Signed) S. C. Lemly
Ensign

Moon's phase 2d qr Dec's 19°

Examined and found to be correct.
(Signed) C. F. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SSW	SSW	6		29 87	60	56	56		bc	Cir Cum	3	M	
2			S by W	S by W	5		29 88	60	56	55		"	"	2	"	
3			S	S	4		29 88	60	55	54		0	"	0	"	
4			S by E	SSE	4		29 88	60	55	54		"	"	0	"	
5			SSE	SE by S	4		29 88	60	55	54		c	"	2	"	
6			SE	"	4		29 90	60	55	54		"	"	2	"	
7			SE by E	"	4		29 92	60	55	54		"	"	1	"	
8			SE by S	"	5		29 99	58	55	53		bc	"	6	"	
9			SSE	SSE	4		30 01	58	55	53		"	"	5	"	
10			SE by S	SE by S	3		30 03	58	56	53		"	"	6	"	
11			"	"	3		30 03	59	57	54		"	"	6	"	
Noon.			"	"	3		30 04	59	57	54		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 200 gallons.

Water Received during the preceding 24 hours 2000 "

Water remaining on hand fit for use at Noon 21900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S ½ W	E	2		30 04	59	56	55		bc	Cum Nim	3	S	
2			SSW	S by E	1		30 04	59	56	54		"	"	6	"	
3			S W by S	S	1		30 04	60	56	54		"	Cir	9	"	
4			S	"	1		30 05	60	56	54		"	Cir Cum	9	"	
5			S by E	"	2		30 07	61	55	54		"	"	7	"	
6			"	"	2		30 07	61	54	52		"	"	6	"	
7			"	"	1		30 07	61	54	52		"	"	9	"	
8			"	"	1		30 08	61	54	52		"	"	9	"	
9			SSW	SW	4		30 10	61	55	53		"	Cir Cum	7	"	
10			"	WSW	4		30 11	61	55	53		"	"	9	"	
11			WSW	"	4		30 11	60	55	53		"	"	9	"	
Mid.			"	"	4		30 13	60	55	53		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. S. Schley, U. S. Navy,

Monday June 2d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partially overcast but pleasant with fresh to moderate breeze from S.S.W. hauling to S.S.E. Moderate sea Bar. steady

(Signed) P. T. Moore.
Ensign

From 4 to 8 A.M. Generally cloudy and cool Moderate to stiff breeze from S.E. by S. At 7.30 Flagship made dress sig 3350

(Signed) L. P. Jouett
Master.

From 8 A.M. to Merid. Clear and pleasant first part. cloudy latter part of watch Light breeze from S.S.E. and S.E. by S. At 9 to Flagship made gen sig 3247 Answered Gunners gang engaged in scraping broadside guns inside Royal mail steamer came down the river and anchored Received 2000 gals. fresh water Bar rising slowly. Sea smooth

(Signed) A. S. Lemly
Ensign

From Merid. to 4 P.M. Cloudy with very light showers first hour clear and pleasant rest of watch Gentle breeze to light airs from S.S.E. by S. changing to E. then to S. Thos Matthews (Ldsm) who had been absent without leave was brought on board having been found on the American whaling bark "Arnolda" and was confined in double irons to await action of the Comdg Officer. At 2.35 made Int sig 2258 Flagship answered and made 9 at 2.40 called all hands to exercise unbending and bending sail At 3.15 Flagship made prep sig. 5540 At 3.17 Flagship made gen sig 2984 Comdg Officer paid official visit to H.M.S. "Garnet" Bar steady first three hours rose 0.1 last hour.

(Signed) H. H. Richardson
Carpenter

From 4 to 8 P.M. Clear and pleasant with light airs from S. Smooth sea Bar unsettled

(Signed) A. S. D. Lemly.
Ensign

From 8 P.M. to Mid. Clear and cool with moderate breeze from S.S.W. and W.S.W.

(Signed) P. T. Moore.
Ensign

Moons phase 2d qr. Decl. S. 23°

Examined and found to be correct.

(Signed) B. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N by E	N E N	4.6		30 13	59	56	55		b	Horizon	10	W	
2			"	"	4.5		30 13	59	55	54		"	"	10	"	
3			N E N	"	4		30 13	59	55	54		"	"	10	"	
4			N by E	"	4		30 13	59	55	54		"	"	10	"	
5			E S E	"	4		30 13	59	53	52		b d	Cir+Cum	9	"	
6			"	"	3		30 16	58	54	55		"	"	9	"	
7			"	"	3		30 17	58	54	53		"	"	9	"	
8			"	"	3		30 17	58	52	51		"	"	9	"	
9			E N by N	N N by N	3		30 17	58	51	50		"	Cums	8	"	
10			N by E ½ E	N	3		30 17	58	52	52		"	"	7	"	
11			N by E ½ E		3		30 17	58	55	52		"	"	6	"	
Noon.			N E N	N E N	3		30 17	58	55	52		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2600 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N by E	N by E	5		30 14	58	56	54		bc	Cir Cum	7	W	
2			"	"	5		30 13	58	56	54		"	"	9	"	
3			"	"	5		30 11	59	56	54		"	"	9	"	
4			"	"	5		30 11	59	56	54		"	"	9	"	
5			"	"	3		30 11	59	55	54		W	Str	8	"	
6			N	N	1		30 11	60	54	53		bc	"	9	S	
7			S N by N	N by E	1		30 11	61	53	52		"	"	9	"	
8			S S E	N E N	1		30 11	61	53	52		"	Horizon	10	"	
9			"	N by E	4		30 11	61	51	50		b	"	10	W	
10			N by E	N by E	5		30 11	60	51	50		"	"	10	"	
11			N	N E N	4		30 11	60	51	50		"	"	10	"	
Mid.			N E N	E N by N	4		30 11	58	49	48		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday June 3d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Clear cool and pleasant. Moderate to fresh breeze from N.E. to N. Moderate squalls first part of watch. At 330 Pacific mail steamer came in from S'd & E'd and anchored. Bright moonlight Moderate sea Bar steady 30.13

(Signed) C. L. Bruns
Midshipman

From 4 to 8 AM Clear and cool with moderate breeze from N.E. to N. Smooth sea Bar reging An English steamer (L & H.) went to sea At 730 Flagship made gen sig 3358

(Signed) S. B. Lemly
Ensign

From 8 AM to Merid Clear and cool. Light breeze from N. N.by W. to N.E. & E.S.E. At 850 Flagship made prep sig. 54/55 Loosed sail At 1045 Brazilian Gunboat left and stood down the river At 1130 the Flagship made prep sig 4826 at 1133 Flagship made gen sig 4826 Furled sail Bar steady 30.17

(Signed) H. H. Richardson
Carpenter

From Merid to 4 P.M. Clear cool and pleasant. Stiff breeze from N. by E. At 1245 French Gunboat Tactique got underway and stood further in and anchored At 325 Italian Gunboat "Veloce" came in from S'd & E'd and anchored At 330 sounded to quarters and turned in clean hammocks At 336 American bark Sarah A Staples came in from S'd and E'd and anchored At 340 Hartford unbent sail French Flagship Venus engaged in target practice with small arms. Moderate sea Bar falling 30.11

(Signed) C. L. Bruns
Midshipman

From 4 to 8 P.M. Clear and pleasant. South breeze to light airs from N. to N.E. & E. At 445 Flagship made gen sig 2985 Bar steady all the watch

(Signed) H. H. Richardson
Carpenter

From 8 P.M. to Mid Clear cool and pleasant. Stiff to moderate breeze from N.by E. to N.E. by E. Moderate Sea Bar steady 30.11 Bright moonlight

(Signed) C. L. Bruns
Midshipman

Moons phase 2d qr Dec. S. 25°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNW by N	N N	4		30 10	58	49	47		bc	Str	8	S	
2			"	"	4		30 10	57	47	46		"	"	9	"	
3			"	"	4		30 08	57	46	46		"	"	9	"	
4			"	N NNW by N.	4		30 07	57	45	43		b	Nmw	10	"	
5			N NW by N	N NNW by N	4		30 06	55	45	43		"	"	10	"	
6			N W by N	"	4		30 05	54	45	43		"	"	10	"	
7			N W by W	"	4		30 05	54	45	44		bc	Cums	9	"	
8			"	"	5		30 06	54	46	45		"	"	9	"	
9			N W	"	5		30 07	55	49	48		"	"	9	NW	
10			W N W	N N N	5		30 08	55	53	50		"	"	9	"	
11			N N.	"	5		30 08	55	54	52		"	"	9	"	
Noon.			N.	N.	5		30 06	56	55	54		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2 300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N.	N	6		30 06	56	55	53		bc	Cums	9	N	
2			"	"	6		30 04	58	56	54		"	"	9	"	
3			"	"	4		30 02	58	56	54		"	"	9	"	
4			"	"	4		30 02	58	56	54		"	"	9	"	
5			"	"	4		30 00	58	56	54		"	Str	9	"	
6			S W by W	"	3		30 00	58	55	54		"	"	9	"	
7			"	W by N	3		30 00	58	54	54		"	"	9	"	
8			" N W	N N.	2		30 00	57	52	52		"	"	9	"	
9			W	N N W	2		29 98	57	52	51		b	Nmw	10	S	
10			S	N W	4		29 99	57	50	50		"	"	10	"	
11			S W	"	4		29 99	57	48	48		"	"	10	"	
Mid.			W. N. W.	"	3		30 00	57	48	48		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Wednesday June 4th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear cool and pleasant. Moderate breeze from N.N.E. to N.N.W. by W. Bright moonlight Smooth sea Bar unsteady.
(Signed) L. Jouett
Master

From 4 to 8 A.M. Clear and cool with moderate to stiff breeze from N.W. by N. Bar steady and sea smooth At 7.30 Flagship made gen sig 3350 Answered
(Signed) P. H. Moore
Ensign.

From 8 A.M. to Mid. Clear cool and pleasant. Stiff breeze from N.W. by N. to W. At 9 inspected at quarters At 9.30 Flagship made gen sig 3247 At 9.35 made Sqt. sig 2258. Flagship answered 9.4 At 9.40 the Captain and Officers by General Court left the ship Michael Carroll (Ord) was rated Seaman from June 1st inclusive Exercised in bending and unbending sail Moderate sea. Bar steady 30.06 Enlisted John Rhodie as Ord for 3 yrs. from this date. genl service.
(Signed) L. Young
Mid. shipman

From Mid. to 4 P.M. Clear and pleasant. Stiff breeze from W. Bar falling slowly At 1 made sqt sig 2258 Flagship answered 9.4 Lowered sail and sent down T.G. yards at 2.25 sent topsails and crossed T.G. yards. At 1.30 Flagship made gen sig 2984 answered French Gunboat "Tactique" got underway and steamed up the river Received in Pay. Dept 148 lbs of fresh beef and vegetables for crew Received in Equipt Dept 1 cord of wood
(Signed) F. A. Doan
Boatswain

From 4 to 8 P.M. Clear cool and pleasant. Light to moderate breeze from W. to W.N.W. Moderate sea Bar steady 30.00
(Signed) L. Young
Midshipman

From 8 P.M. to Mid. Clear cool and pleasant. Bright moonlight Light to moderate breeze from N.W. to N.N.W. Bar steady
(Signed) L. Jouett
Master.

Mgnl Phase Full moon Dec. S. 26°

Examined and found to be correct.

Signed C. H. Curtis Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NW	NW	5		30 00	56	48	48		bc	Cir+Cum	9	S	
2			"	"	5		30 00	56	48	48		"	"	9	"	
3			"	"	5		29 99	56	47	45		"	"	9	"	
4			"	"	5		29 98	56	47	45		"	"	9	"	
5			NW by W	NNW	5		29 93	56	46	46		bc w z	Cum Str	9	"	
6			"	NW by N	5		29 93	54	46	46		"	"	9	"	
7			NW	NW	5		29 92	53	45	45		"	"	9	"	
8			NW	W NW	5		29 92	53	45	45		bc	"	9	"	
9			NW by W	NW by N	6		29 91	53	49	48		w	"	9	"	
10			"	"	6		29 91	54	52	51		"	"	9	"	
11			"	"	5		29 90	54	53	52		b	"	9	"	
Noon.			"	"	5		29 87	54	58	56		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2000 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			NW	NW	5		29 85	56	59	53		b	Cum	9	W	
2			NW by W	NW by W	5		29 82	57	62	60		bc	"	9	"	
3			"	"	5		29 80	58	63	61		"	"	8	"	
4			"	"	5		29 80	58	63	62		"	"	8	"	
5			W NW	W NW	5		29 80	60	60	59		"	"	8	"	
6			NW by W	NW by W	5		29 79	60	58	57		c	Cum Cir	9	"	
7			"	"	5.7		29 79	60	57	56		"	"	9	"	
8			W NW	"	5.7		29 81	60	55	54		"	"	9	"	
9			"	W NW	5		29 81	60	55	54		bc	Cir Cum	9	S	
10			"	"	4		29 81	60	55	54		"	"	8	"	
11			NW	"	4		29 81	59	54	54		"	"	9	"	
Mid.			"	"	3		29 81	59	53	53		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Thursday June 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and pleasant with moderate breeze from N W. Smooth sea Bar falling slowly Bright moonlight.
(Signed) L. C. Lemly
Ensign

From 4 to 8 A M Clear cool and pleasant. Stiff breeze from N N W. to W N W. Damp. Hazy about horizon Smooth sea Bar falling 29.97
(Signed) C. L. Downs
Midshipman

From 8 A M to Merid Overcast and cloudy. Moderate to fresh breeze from N W by N Bar falling slowly. Sea smooth At 9.15 inspected at quarters At 9.35 Flagship made gen sig 32.47 Answered Released Jere Donovan (2 C F) from confinement by Order of Comdg Officer
(Signed) F. A. Doran
Boatswain

From Merid to 4 P M Clear and cool Stiff breeze from N W to W N W. At 1.52 French Flagship fired a salute of 9 guns No flag displayed Received in Pay. Dept. 150 lbs of fresh beef and 150 lbs vegetables for crew Bar steady latter part.
(Signed) W. W. Richardson
Carpenter

From 4 to 8 P M Clear cool and pleasant first part of watch Cloudy the latter part. Fresh breeze from W N W. to N W by W. moderately refreshening At 4.40 Flagship made gen sig 29.85 Bar unsteady Sea moderate
(Signed) F. A. Doran
Boatswain

From 8 P. M to Mid. Clear cool and pleasant. Gentle to stiff breeze from W N W Bright moonlight Bar steady
(Signed) L. P. Jouett
Master

Moons Chase 3d qr Dec. S. 20°

Examined and found to be correct.
(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W.	W by N	4		29 81	59	55	54		brw	Cir	7	S	
2			W by W.	W.	4		29 82	59	54	54		bw	Hzn	10	"	
3			W S W	"	5		29 82	59	54	54		"	"	10	"	
4			"	"	5		29 82	59	54	54		"	"	10	"	
5			"	"	4		29 82	59	54	52		"	"	10	"	
6			"	"	3		29 82	59	54	52		"	"	10	"	
7			"	"	2		29 85	59	53	52		bc	Cir Str	8	"	
8			"	"	2		29 86	59	53	52		"	"	7	"	
9			"	"	2		29 88	57	53	52		"	"	7	"	
10			"	"	2		29 89	56	53	52		"	"	7	"	
11			"	"	2		29 89	56	52	52		"	"	7	"	
Noon.			"	"	2		29 89	56	54	52		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 200 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1720 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			S S W.	W N W	2		29 87	57	55	54		bc	Cir Str	9	S	
2			W S W.	W	2		29 86	58	56	54		"	Cir	9	"	
3			W by S.	"	2		29 87	59	57	55		"	"	8	"	
4			W	"	3		29 86	59	57	56		"	Cir Str	9	"	
5			"	"	3		29 86	59	55	54		"	"	9	"	
6			"	"	3		29 86	59	53	52		"	"	9	"	
7			"	"	4		29 88	59	55	53		"	"	9	"	
8			W by S	S W by W	5		29 90	59	55	53		"	"	9	"	
9			W S W	W S W	4		29 90	59	55	53		b	Hzn	10	"	
10			S W	S W	6		29 90	59	55	53		"	"	10	"	
11			"	"	7		29 92	59	55	53		"	"	10	"	
Mid.			"	"	7		29 93	58	54	52		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Friday June 6th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool with moderate to stiff breeze from N by W to N.
(Signed) G. P. T. Moore
Ensign

From 4 to 8 A.M. Clear and cool with moderate to stiff breeze from N. Smooth sea Bar rising An Italian steamer came in
(Signed) S. G. Lemly
Ensign

From 8 A.M. to Merid. Clear cool and pleasant Gentle breeze from N. Exercised at fire quarters At 9 to Flagship made gen sig 32.47 At 9.45 made int sig 61.47 Flagship answered 9.54 Exercised shifting to sails Bar steady Sea Smooth
(Signed) F. A. Evans.
Boatswain

From Merid to 4 P.M. Clear and cool. Gentle breeze from N & W and N. Brazilian steamer came in Bar steady
(Signed) H. H. Richardson
Carpenter.

From 4 to 8 P.M. Clear and cool with light to moderate breeze from N. veering to N. by E. last hour. Sea smooth Bar rising At 4.35 "Hartford" made gen sig 39.41. At 7.15 moon rose An Italian steamer left the harbor
(Signed) S. G. Lemly
Ensign

From 8 P.M. to Mid. Clear and cool with moderate breeze from N. & N.N.E. shifting suddenly to S.S.E. and freshening to fresh then to very fresh breeze Bar rising Sea moderate
(Signed) G. P. T. Moore
Ensign

Moons phase 3d qr. Decl. S. 22°

Examined and found to be correct.
(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S W by W	S W	7		29 93	57	52	51		bc	Str Cum	9	M	
2			S W	"	7		29 95	57	52	51		"	"	8	"	
3			W S W	S W by W	7		29 97	56	50	49		"	"	4	R	
4				S W	7.8		29 96	56	50	49		"	"	4	"	
5			W W by W	"	7.8		29 97	55	50	49		"	"	5	"	
6			"	"	8		29 98	55	47	46		"	"	5	"	
7			"	"	8		29 98	54	46	46		"	"	5	"	
8			S W	"	8		30 01	53	46	45		"	"	4	"	
9			"	"	8		30 07	52	46	46		"	Cum	6	"	
10			"	"	6.7		30 10	52	47	46		"	"	4	"	
11			"	"	6		30 10	52	48	47		"	"	3	"	
Noon.			S W by W	"	6		30 10	54	48	47		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S W by W	S W	6.7		30 10	53	48	47		bc	Cum	4	R	
2			"	"	6		30 10	54	49	47		"	"	6	"	
3			"	"	6		30 12	61	49	47		"	"	8	"	
4			W S W	S W by W	6		30 12	61	50	48		"	"	9	M	
5			S W	S W	5		30 12	60	50	48		"	Cum Str	6	"	
6			W by S	"	5		30 12	59	50	48		"	"	7	"	
7			S W by W	"	5		30 12	58	50	48		"	"	8	"	
8			"	"	4		30 13	57	49	48		"	"	8	"	
9			"	"	5.6		30 13	57	49	48		bcq	"	8	"	
10			"	"	5.7		30 14	57	49	48		"	"	8	"	
11			S W	"	5.7		30 14	57	49	48		"	"	9	"	
Mid.			"	S W by W	5.7		30 14	57	49	48		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Saturday June 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear cool and pleasant. Very fresh breeze to moderate gale from S W. Scud from S W. Bar rising 29.96 Moderate to rough sea

(Signed) C. L. Bruns
Mdshipman

From 4 to 8 A M Partially clear - Cool - Moderate pampero from S W. Rough sea Bar rising At 4. let go stbd anchor and veered to 90 fms on port and 25 fms on stbd chain At 7.45 "Hartford" made gen sig prep 6.43 and at 7.50 sig of execution Sent down Top gallant yards.

(Signed) S. D. Lemly
Ensign

From 8 A M to Mdnt Partially clear cool, Moderate gale dying out to fresh breeze from S W Rough sea At 9.25 made int sig 4.56 Flagship answered and made 904 At 9.30 Flagship made gen sig 32.47 Started fires in two boilers Bar steady last three hours.

(Signed) W. H. Richardson
Carpenter

From Mdnt to 4 P M Clear cool and pleasant. Fresh to very fresh breeze from S W. to S W by W. At 2.50 Started distilling Rough to moderate sea Bar steady 30.12 Engaged in heaving up stbd anchor

(Signed) C. L. Bruns
Mdshipman

From 4 to 8 P M. Clear and cool Fresh breeze from S W. Got up stbd anchor and hove in to 60 fms on port chain Sea moderate Bar steady 30.12 Distilling

(Signed) W. H. Richardson
Carpenter.

From 8 P M to Mid Clear cool and pleasant Stiff to very fresh breeze from S W to S W by W. Squally Moderate sea. Bar steady 30.14

(Signed) C. L. Bruns
Mdshipman

Moon's phase 3d qr. Dec 8 18h

Examined and found to be correct.

(Signed) R. L. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S W	S W	5.7		30 14	55	48	46		bq	None	10	W	
2			S W by W	S W by W	5.6		30 14	57	48	46		"	"	10	"	
3			"	"	5		30 13	57	48	46		"	"	10	"	
4			W S W	W S W	5		30 12	53	48	46		"	"	10	"	
5			W	W N W	5		30 12	52	46	45		b	"	10	"	
6			W by N	N W by W	5		30 12	51	43	42		"	"	10	S	
7			"	"	5		30 12	51	43	42		"	"	10	"	
8			"	"	5		30 12	51	43	42		bc	Cirrus	9	"	
9			W	"	5.6		30 12	56	45	44		bcqh	"	9	W	
10			"	"	5.6		30 14	61	47	46		"	"	9	"	
11			W by S	W N W	5.6		30 14	65	48	46		bqz	None	10	"	
Noon.			W	W	6		30 13	65	56	48		"	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Obeervations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 700 "

Water remaining on hand fit for use at Noon — 1800 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			W by N	N W N	5.6		30 09	65	52	48		bqz	None	10	W	
2			"	"	5.6		30 05	62	53	50		"	"	10	"	
3			"	"	5.6		30 03	62	55	52		"	"	10	"	
4			"	"	5.6		30 03	62	54	52		"	"	10	"	
5			"	"	5.6		30 02	65	53	51		"	"	10	"	
6			"	"	5.6		30 02	65	50	48		"	"	10	"	
7			W N W	N W by W	5.6		30 01	62	49	47		"	"	10	"	
8			"	N W	5.6		30 02	61	48	47		"	"	10	"	
9			"	"	5.6		30 02	61	47	46		bq	"	10	"	
10			N W	"	5.7		30 02	61	46	45		"	"	10	"	
11			N	"	5.7		30 02	61	46	45		"	"	10	"	
Mid.			N N E	"	5.6		30 02	60	48	46		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. S Schley, U. S. Navy,

Sunday June 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear cool and pleasant. Squally Stiff to very fresh breeze from S W to W S W Bright Moonlight

(Signed) L. P. Jouett.
Master.

From 4 to 8 A M Clear and cold with stiff breeze from W N W and N W by W. Bar steady Sea smooth

(Signed) C. B. T. Moore
Ensign

From 8 A M to Mid Clear cool and pleasant. Stiff to fresh breeze from N W by W. Squally. At 9.30 the Executive officer inspected ship and crew at quarters Moderate sea Bar steady 30.14

(Signed) C. L. Bruns
Midshipman

From Mid to 4 P. M. Clear cool and pleasant. with stiff to fresh breeze from W N W. Bar falling slowly.

(Signed) F. C. Dran
Boatswain

From 4 to 8 P M Clear cool and pleasant Stiff to fresh breeze from W N W. to N W by W. Squally. At 5 "Hartford" made prep sig. 2985 Answered. Moderate sea Bar falling Hazy about horizon

(Signed) C. L. Bruns
Midshipman

From 8 P M to Mid Clear cool and pleasant. Moderate to very fresh breeze from N W. Bar steady Moon rises at 9.30

(Signed) L. P. Jouett
Master.

Moons phase 3d qr Dec. S 13°

Examined and found to be correct.

(Signed) C. H. Cortis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNW	NNW by N	5		30 02	60	46	44		b	None	10	S	
2			"	"	5		30 00	58	45	44		"	"	10	"	
3			"	"	5		30 00	58	45	44		"	"	10	"	
4			"	"	5		30 00	58	45	44		"	"	10	"	
5			"	"	5		29 98	55	44	43		bc	Str	9	"	
6			NNW	"	5		29 97	54	44	43		"	"	9	"	
7			"	"	5		29 96	53	42	41		"	"	9	"	
8			"	"	5		29 98	51	42	44		"	"	9	"	
9			"	NW by N	5		29 98	57	44	44		"	"	9	"	
10			NW by N	NW	5		30 00	62	48	46		"	"	9	"	
11			"	NW by W	5		30 00	63	51	50		"	"	9	"	
Noon.			"	"	5		30 00	64	53	52		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Obeervations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water ~~Condensed~~ during the preceding 24 hours — 500 "

Water remaining on hand fit for use at Noon — 2000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			NW by W	NW	4		29 97	67	53	52		bc	Cum Str	9	S	
2			"	"	5		29 96	68	53	52		bm	"	8	"	
3			"	"	4		29 95	67	53	52		bc	Cir Cum	5	"	
4			NW by W	NW by W	5		29 95	65	53	52		"	"	5	"	
5			NW by W	NW by W	4		29 95	64	53	52		"	"	4	"	
6			NW by W	"	4		29 95	62	52	52		m	Cir Nimb	3	"	
7			NW by W	NW	3		29 95	62	52	52		bc	Cir Cum	4	"	
8			NW	"	3		29 95	62	52	52		"	"	4	"	
9			NW by W	NW by W	2		29 96	62	53	52		bc	"	7	"	
10			NW	"	2		29 96	62	53	52		"	"	4	"	
11			"	"	2		29 96	61	52	52		bcz	"	0	"	
Mid.			"	"	2		29 96	61	52	52		bcz	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Monday June 9th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m. Clear and cool Moderate breeze from NW by W. Smooth sea Bright moonlight Bar falling slowly.
(Signed) S. G. Lemly.
Ensign

From 4 to 8 a m Clear cool and pleasant. Stiff breeze from NW by N. At 8 French Flagship sent up T.G. mast and crossed T. G yards. N. M.S. "Garnet" crossed T.G & R. yards Bar steady 29.98
(Signed) C. F. Bruns
Midshipman

From 8 a m to Merid Clear cool and pleasant with stiff breeze from NW by W to NW by N. At 9.35 Flagship made gen sig 3247 Bar steady.
(Signed) F. A. Dran
Boatswain

From Merid to 4 P.M. Clear and cool. Hazy near horizon Moderate breeze from W and W S W. Smooth sea Bar falling slowly. At 3.25 Hartford made gen sig 2984
(Signed) S. G. Lemly
Ensign

From 4 to 8 P M Cloudy cool and misty Moderate breeze from W S W. to W. At 4.15 received on board 50 lbs fresh beef and 150 lbs vegetables for crew. At 5. P S N Co steamer came in and anchored.
(Signed) F A Dran
Boatswain

From 8 P M to Mid. Partially clear. Cool Light breeze from W. Smooth sea At 11.05 moon rose Bar steady at 29.96
(Signed) S. G. Lemly.
Ensign

Moons phase 3d qr Decl S. 8°

Examined and found to be correct.

(Signed) R. K. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N N	N. N.	3		29 96	60	51	50		bc	Cir Cum	2	S	
2			N	"	3		29 96	60	51	50		"	"	2	"	
3			"	"	3		29 94	59	51	50		"	"	2	"	
4			"	"	3		29 92	58	50	50		"	"	2	"	
5			N N	"	3		29 92	58	50	50		c	"	2	"	
6			"	"	3		29 92	58	49	48		"	"	1	"	
7			N N N	N N N	3		29 92	58	49	48		"	"	0	"	
8			N	N by N	3		29 92	57	51	50		"	"	1	"	
9			N N N	N N N	4		29 95	61	52	50		bc	Cum Strat	3	"	
10			"	N N by N	3		29 98	61	51	50		"	Cir Str	4	"	
11			N N by N	N N by N	3		30 00	65	51	50		"	"	5	"	
Noon.			N N.	N N	3		30 00	65	52	51		"	"	5	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 1000 "

Water remaining on hand fit for use at Noon — 2700 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N by W	N by W	3		30 00	63	53	52		bc	Cum Str	8	M	
2			N ½ E	"	4		30 01	62	53	52		"	Cum	7	"	
3			N by E	N	4		30 01	62	53	52		o/c	Cum Nim	4	"	
4			N N E ½ E	N by E	5		30 03	61	52	51		c	"	3	"	
5			N N E	"	5		30 07	62	50	49		bc/c	"	3	"	
6			N by E	"	5		30 09	64	50	49		"	"	4	"	
7			"	"	5		30 10	64	50	48		bc	"	5	"	
8			"	"	5		30 10	64	50	48		"	"	6	"	
9			N N E	N N E	5		30 13	61	49	47		"	Cum	7	"	
10			"	"	4		30 14	61	49	47		"	"	7	"	
11			"	"	3		30 14	61	49	47		"	"	6	"	
Mid.			"	"	3		30 14	60	49	47		"	"	7		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander H. S Selfridge, U. S. Navy,

Tuesday June 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Partially overcast cool and damp Gentle breeze from NW. Dim moonlight Bar falling slowly. Sea smooth
Signed C. B. T. Moore
Ensign

From 4 to 8 A M Cloudy and cool Gentle breeze from NW to NW by N Bar steady At 7.30 Flagship made dress sig 3350
Signed L. P. Jouett
Master

From 8 A M to Merid Clear and pleasant. Gentle breeze from S to S W. Bar steady last two hours At 9.30 Flagship made gen sig 3247 Answered At 9.45 inspected the crew at quarters French steamer left the harbor
Signed F. A Dran
Boatswain

From Merid to 4 P M cool and somewhat cloudy with occasional passing showers Moderate breeze from S by W to S by E Moderate swell Bar steady first part. slowly rising last part. German steamer came in
Signed H. H. Richardson
Carpenter

From 4 to 8 P M Partially clear Cool Stiff breeze from S by E. Moderate sea Bar rising. Passing showers last two hours At 4.15 Hartford fired a salute of seven guns American flag at the fore. By order of Comdr in Chief the charges and specifications against James Hennessy (Mach) were withdrawn and by order of Comdr in Chief he was decorated to First Class Fireman for drunkeness on duty and by same order placed in solitary confinement on bread and water for five days for disrespect to his Comdg Officer An Italian and a German steamer came in
Signed C. B. T. Moore
Ensign

From 8 P M to Mid Partially overcast and cool with stiff breeze from S S E dying to gentle breeze Bar steady moderate sea
Signed C. B. T. Moore
Ensign

Moons phase 3d qr. Dec. 12°

Examined and found to be correct.

Signed C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SE by S	SE by S	1		30 15	59	48	47		bc	fair cum	9	1	
2			E by S	SE	1		30 15	58	48	47		"	"	9	"	
3			"	NE	1		30 15	58	48	47		b	None	10	"	
4			"	"	1		30 15	58	48	47		"	"	10	"	
5			SE by S	E NE	1		30 15	58	47	46		bcz	fair cum	9	"	
6			"	"	1		30 16	57	46	46		"	"	8	"	
7			"	"	1		30 17	57	45	46		"	"	8	"	
8			SE	NE by N	1		30 18	57	45	44		"	"	8	"	
9			SE	N	1		30 20	59	45	44		bc	fair str	8	"	
10			N NW	"	1		30 22	62	49	47		"	fair	8	"	
11			"	NNE	2		30 22	63	54	51		"	"	5	"	
Noon.			"	"	1		30 22	63	56	52		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 200 "

Water remaining on hand fit for use at Noon — 2600 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N	N	2		30 20	64	55	52		bc	fair cum	5	1	
2			"	"	2		30 18	66	55	52		"	"	6	"	
3			NNE	"	2		30 17	66	55	52		"	"	6	"	
4			NE	"	2		30 16	64	55	52		"	"	7	"	
5			"	"	2		30 16	63	54	52		"	fair str	6	"	
6			E NE	NE	2		30 16	63	52	51		"	"	7	"	
7			E	"	1		30 16	63	50	50		"	"	9	"	
8			NNE	"	1		30 17	63	50	49		b	None	10	"	
9			N	"	1		30 17	63	49	48		"	"	10	"	
10			"	NNE	2		30 17	64	48	47		"	"	10	"	
11			N by E	"	3		30 17	64	48	47		"	"	10	"	
Mid.			"	"	4		30 17	64	46	45		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander N. S. Schley, U. S. Navy,

Wednesday June 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear cool and pleasant. Light variable airs from S.E. to N.E. At 320 breeze hauled suddenly to N.E. Sea smooth Bar steady 30.15 Bright moonlight

Signed C. L. Bruns
Midshipman

From 4 to 8 A.M. Clear overhead but hazy about horizon Cool Sea smooth Light airs from E. N.E. and N.E. by N. Bar rising An American three masted schooner got underway and stood up the river

Signed S. C. Seely
Ensign

From 8 A.M. to Merid. Clear and pleasant. Light airs from N. to N.N.E. At 930 Flagship made 3 gen sig 3247 Received on board in Nav Dept. 2 bbls illuminating oil Sea smooth Bar steady 30.22

Signed N. H. Richardson
Carpenter

From Merid. to 4 P.M. Clear cool and pleasant. Light breeze from N. to N.E. At 330 made 1st sig 2984 "Hartford" answered 904. Bar falling 30.16 Instructed and exercised apprentices in signals

Signed C. L. Bruns
Midshipman

From 4 to 8 P.M. Clear and pleasant Light breeze to light airs from N.E. Smooth sea Bar steady.

Signed N. H. Richardson
Carpenter.

From 8 P.M. to Mid. Clear cool and pleasant Light airs to moderate breeze from N.E. to N.N.E. Bar steady 30.17

Signed C. L. Bruns
Midshipman

Moon's Phase At Last. qr. Dec. N 3°

Examined and found to be correct. Signed W. C. K. Eastis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			A.N.E	A.N.E	56		30 17	60	47	46		bq	None	10	S	
2			"	"	56		30 16	59	47	46		"	"	10	"	
3			"	"	57		30 15	58	46	45		"	"	10	"	
4			"	"	57		30 14	57	47	46		"	"	10	"	
5			"	"	6		30 13	57	46	45		bc	Cir Str	9	"	
6			"	"	6		30 13	57	46	45		"	"	9	"	
7			N by E	N by E	5		30 14	57	46	45		"	Cir Cumm	8	"	
8			N	N	5		30 15	56	46	46		"	"	8	"	
9			"	N by W	6		30 16	63	48	47		"	"	8	"	
10			"	"	5		30 19	63	51	50		"	"	9	"	
11			N by E	"	5		30 20	65	51	50		"	"	9	"	
Noon.			"	"	5		30 20	67	51	52		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours Jas gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 230 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N.E	N	2		30 18	67	59	56		bc	Cir Cumm	4	S	
2			"	"	2		30 15	67	60	57		"	"	4	"	
3			"	"	2		30 12	65	59	58		"	"	4	"	
4			N E by E	"	2.3		30 12	65	58	56		"	"	5	"	
5			E N E	N N E	3		30 12	65	58	56		"	"	9	"	
6			E by S	N by E	2		30 12	65	56	54		"	"	9	"	
7			E N E	"	2		30 11	64	54	53		b	None	10	"	
8			N E	N	3		30 11	64	53	52		"	"	10	"	
9			"	N N E	3		30 12	63	52	50		"	"	10	"	
10			"	"	3		30 12	63	52	50		"	"	10	"	
11			"	N by E	4		30 12	62	52	50		"	"	10	"	
Mid.			"	"	5		30 12	62	51	50		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Thursday June 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold Squally. Stiff to very fresh breeze from N.N.E. Bar falling Bright moonlight.
(Signed) L. P. Jouett
Master

From 4 to 8 A.M. Clear and cold with fresh to stiff breeze from N.N.E to N. At 7.30 Flagship made gen sig 3350 Answered Bar rising slowly. Sea smooth
(Signed) C. S. A. Moore
Ensign

From 8 A.M to Merid. Clear and pleasant. Stiff to fresh breeze from N by W. At 9 made Int sig 606 Flagship answered 90 4 Crossed T.T. & R yards. At 9 A.M made Int sig 4397 Flagship answered 90 4 Exercised T.T. & R yards. At 9.30 Flagship made gen sig 3247 At 9 40 the Captain and officers of General Court left the ship At 10 30 Battery on shore commenced firing a salute of 23 minute guns hoisting the Uruguayan flag At 11.10 they half masted the flag. Bar rising 30.20
(Signed) C. L. Brune
Midshipman

From Merid to 4 P.M. Clear and pleasant. Light to gentle breeze from N. Recd on board Equipt Dept. 22 scrub brushes 12 corn brooms 20 Bath brick 2 bbls lime and in Pay Dept. 15 lbs fresh beef and 15 lbs vegetables Small Brazilian steamer came in and anchored Bar steady last two hours
(Signed) F. A. Drake
Boatswain

From 4 to 8 P.M. Clear and pleasant. Light to gentle breeze from N to N.N.E At 4.40 made Int sig 6668 Flagship answered 90 4 At 4.45 Flagship made gen sig 29 64 Answered Bar steady 30.11
(Signed) C. L. Brune
Midshipman

From 8 P.M to Mid. Clear and cold Gentle to moderate breeze from N.N.E to N by E. Bar steady
(Signed) L. P. Jouett.
Master.

Moons phase Last qr. Dec. N. 8°

Examined and found to be correct.
(Signed) B. H. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNE	NNE	4.5		30 10	60	50	48		b	None	10		
2			NE	"	4		30 10	60	50	48		"	"	10	"	
3			E	"	3		30 10	60	50	48		"	"	10	"	
4			"	"	3		30 10	60	50	48		"	"	10	"	
5			"	"	3		30 08	58	50	48		b c	Cir Cum & Str.	9	"	
6			E by S	N by E	3		30 08	57	50	46		"	"	8	"	
7			S by E	N.	3		30 08	56	47	46		"	"	8	"	
8			NE by N	N.N.E.	4		30 10	57	46	50		"	"	8	"	
9			NE by E	N	3		30 10	59	50	52		"	"	8	"	
10			N	"	3		30 10	61	55	52		"	Cir Cum	8	"	
11			"	"	3.3		30 10	64	59	57		"	"	8	"	
Noon.			"	"	3.3		30 10	66	61	59		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2000 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N.	N	2		30 08	67	63	60		bc	Cir Cum	5		
2			N by E	"	3		30 07	69	65	61		"	"	4	"	
3			"	"	3		30 05	69	63	60		"	"	4	"	
4			"	"	3		30 05	68	63	60		"	"	4	"	
5			"	"	3		30 05	67	60	58		"	"	4	"	
6			"	"	3		30 05	67	59	57		"	"	4	"	
7			"	"	3		30 05	67	57	56		"	"	4	"	
8			"	NNE	3		30 04	66	56	54		"	"	4	"	
9			"	"	3		30 02	65	56	55		"	"	8	"	
10			"	"	3		30 02	65	55	54		"	"	9	"	
11			"	"	4		30 01	63	55	52		b	None	10	"	
Mid.			"	"	4		30 01	63	54	53		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. A. Schley, , U. S. Navy,

Friday June 13th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M. Cloudless and cool with light to stiff breeze from N.N.E. Smooth sea Bar steady.

(Signed) L. O. Lemly
Ensign

From 4 to 8 A.M. Clear cool and pleasant Gentle to moderate breeze from N.N.E. to N.N.W. Smooth sea Bar steady 30.10

(Signed) L. L. Bruns
Midshipman

From 8 A.M. to Mrid. Clear and pleasant Light to gentle breeze from N. Bar steady. At 8.55 made Int sig 6069 Flagship answered 904. Crossed T.G. & R. yards At 9.15 Flagship made gen sig 3247 Answered At 9.15 sounded call to fire quarters divisions reported as follows ready 2m secured 1m 40s

(Signed) F. A. Doan
Boatswain

From Mrid. to 4 P.M. Clear and pleasant overhead, slightly hazy to Northward Light to gentle breeze from N. Smooth sea Tide rip passed at 2.30 Bar falling At 4.30 "Hartford" made gen sig 2984 Answered

(Signed) L. O. Lemly.
Ensign

From 4 to 8 P.M. Clear cool and pleasant with light breeze from N. At 4.40 made Int sig 6068 Flagship answered 904. At 6.45 a steamer came in and anchored apparently U.S.S. "Wallard" Bar steady 30.05

(Signed) F. A. Doan.
Boatswain

From 8 P.M. to Mid. Clear and pleasant with light to moderate breeze from N.N.E. Smooth sea Bar falling slowly.

(Signed) L. O. Lemly
Ensign

Moon's phase 1st Last qr Dec. N 13°

Examined and found to be correct.

Signed C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNE	NNE	3		30 01	62	53	52		b	None	10	A	
2			"	"	3		30 00	62	52	51		b,	"	10	"	
3			NE by N	N	3		30 00	62	53	52		bc	Cir	9	"	
4			NE by E	"	4		29 97	62	53	52		"	"	8	"	
5			N by E	N	2.3		29 96	62	53	52		"	"	8	"	
6			"	"	2.3		29 96	62	53	52		"	"	8	"	
7			"	"	2.3		29 96	60	50	49		"	"	8	"	
8			"	"	2.3		29 96	60	50	49		"	"	8	"	
9			NE	"	2.3		29 96	61	55	53		"	"	9	"	
10			"	N by W	3		29 97	65	57	55		"	"	9	"	
11			N	NNW	3		29 97	67	59	57		"	"	10	"	
Noon.			N by W	N by W	2.3		29 95	68	63	61		"	"	10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 700 "

Water remaining on hand fit for use at Noon 2400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			NW by W	N	2		29 90	68	65	64		bc	Cir Cum	4	A	
2			NW	NNW	2		29 87	68	65	63		bcm	"	4	"	
3			NNW	"	2		29 86	67	66	63		"	"	3	"	
4			NNE	N	2		29 86	67	66	63		"	"	3	"	
5			NE	NNE	2		29 86	69	63	62		"	"	4	"	
6			"	"	2		29 86	67	60	60		"	"	4	"	
7			"	"	2		29 86	65	59	58		"	"	5	"	
8			NNE	"	2		29 82	65	59	58		"	"	6	"	
9			NW	NNW	2		29 85	64	59	58		bc	Cir Nimb	4	"	
10			"	"	2		29 84	65	59	58		bcl.	"	5	"	
11			NW by W	NW by W	4		29 84	63	58	56		"	"	4	"	
Mid.			"	"	5		29 83	63	58	56		bc	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. S. Schley, U. S. Navy,

Saturday June 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Clear and cool with gentle to moderate breeze from NNE to NW. Bar falling Sea smooth

Signed L. B. T. Moore
Ensign

From 4 to 8 A M. Clear and pleasant. Light to gentle breeze from N. Brazilian iron clad got underway and left the harbor at 7.30 Flagship made gen sig 33.50

Signed L. D. Jouett.
Master.

From 8 A M to Merid. Clear and pleasant Light to gentle breeze from N to N NW Recd on board in Construction Dept. 20 gals. Lyn oil Did in Equipt Dept. 3 Coir brooms. At 9.30 Flagship made gen sig 3247 at 9.35 prep sig 6144 and at 9.40 gen sig 6144. At 9.45 crossed N. G. yards

Signed F. A. Dras
Boatswain

From Merid to 4 P M. Clear and pleasant overhead slightly hazy to southward Light breeze from N to NW. Sea smooth Bar steady last two hours.

Signed N. H. Richardson
Carpenter

From 4 to 8 P M Cloudy first part but clearing towards end of watch Pleasant. Light breeze from N.N.E. Smooth sea Bar steady at 2.48 A German steamer went to sea

Signed A. G. Lemly.
Ensign

From 8 P M to Mid Partially cloudy with light to stiff breeze from N N W. hauling to N W by W. Lightning in N.W. between 9 and 11 o'clock Bar falling slowly Sea smooth

Signed C. B. T. Moore.
Ensign.

Moons phase Last qr Dec N 17°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNW	N	5		29 81	63	59	58		o.c.b.	Cum Nimb	0	S	
2			NW	NNW	5		29 80	63	59	58		oc b g ps	"	0	"	
3			NbW	N	4		29 80	63	59	58		oc b g pt	"	0	"	
4			SW	W	3		29 80	63	57	56		ocd	"	0	"	
5			SWbyS	SWbyS	3		29 80	63	57	56		"	"	0	"	
6			"	"	3		29 82	63	57	56		oc	"	0	"	
7			SSW	SSW	3		29 85	63	56	56		bc	"	0	"	
8			S	S	3		29 90	61	55	54		"	Cir Cum	4	"	
9			"	"	4		29 90	61	56	55		"	"	5	"	
10			SWbyS	SbyW	4		29 93	61	56	55		"	"	7	"	
11			"	SSW	4		29 96	61	56	55		"	"	8	"	
Noon.			SW	"	4		29 95	60	56	55		"	"	8	"	

P. M.																
1			SSW	SSW	3		29 94	61	56	55		bc	Cir Str	8	S	
2			"	S	3		29 92	61	55	54		"	"	8	"	
3			WSW	SSE	3		29 92	62	55	54		bcz	"	8	"	
4			SW	SE	3		29 92	62	55	54		"	"	8	"	
5			SE	E	1		29 92	62	55	54		"	Cir Cum	8	"	
6			E	NE	1		29 90	64	54	54		"	Cir Str	7	"	
7			EbyS	"	1		29 92	64	54	52		bczw	"	8	"	
8			"	"	1		29 92	64	53	52		"	"	8	"	
9			NE	NEbyN	1		29 92	64	54	52		bgw	None	10	"	
10			NEbyE	"	2		29 92	64	54	52		"	"	10	"	
11			NW	NNE	2		29 92	64	54	52		"	"	10	"	
Mid.			WNW	N	2		29 92	64	54	52		"	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 600 "

Water remaining on hand fit for use at Noon — 2700 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander N. A. Ashley. , U. S. Navy,

Sunday June 15th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Overcast and disagreeable Gentle to stiff breeze from N to N. Frequent rain squalls Thunder during last hour Bar steady 2980 (Signed) C. L. Bruce Midshipman

From 4 to 8 A M Overcast and cloudy until last hour when clearing up Wind light from S. W by S. S W and S. Sea smooth Bar rising. A French steamer came in (Signed) J. C. Lemly. Ensign

From 8 A M to Mid Clear and pleasant. with moderate breeze from S hauling to S. S. W. At 9 Comdg Officer inspected ship and crew at quarters afterwards read prayers Bar rising Sea smooth By order of Comdg Officer released James Hennessy (103) from confinement. (Signed) C. A. T. Moore. Ensign

From Mid to 4 P M. Clear and pleasant. Gentle breeze from S S W and S E. At 1, sent Special Liberty party on shore. Hazy around horizon Bar Steady 2992 (Signed) C. L. Bruce Midshipman

From 4 to 8 P M Clear and cool with light airs from E. to N. E. Bar steady Sea smooth Cir cum clouds The French Frigate "Venus" steamed out to sea. (Signed) C. A. T. Moore Ensign

From 8 P M to Mid Clear and pleasant. Light airs to light breeze from N E by E to N. Hazy Very damp Bar steady. (Signed) C. L. Bruce Midshipman

Moon's phase Last qr Dec 7 h 21 m

Examined and found to be correct.

(Signed) R. H. Austin Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SSW	NNE	5.6		29 88	62	53	52		bcq	lr lam	6	S	
2			"	"	5.6		29 83	60	51	51		"	"	7	"	
3			S	"	5.6		29 82	60	51	51		"	"	6	"	
4			"	"	4.5		29 81	60	51	51		"	"	6	"	
5			"	NNW	4.5		29 80	60	53	52		bcqw	"	3	"	
6			"	NbyW	5		29 79	60	53	52		bcw	"	5	"	
7			SSE	N	5		29 79	60	54	52		bc	"	6	"	
8			NEbyN	"	5		29 78	59	54	52		"	"	7	"	
9			"	"	5		29 78	60	57	56		"	"	6	"	
10			ENE	NbyW	5		29 78	60	59	57		"	"	4	"	
11			WNW	NW	5		29 78	62	61	60		"	"	4	"	
Noon.			NWbyN	NWbyN	5		29 78	64	65	63		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			NW	NW	5		29 74	63	67	65		bc	lr lam	5		
2			W	"	5		29 73	63	66	64		o	"	"		
3			"	"	3		29 72	63	66	64		o.c.	"	"		
4			WbyS	"	4		29 70	63	66	63		"	"	"		
5			"	NbyW	4		29 70	64	63	62		b.c.	lam Rain	4		
6			W	NNW	3		29 68	64	62	62		occ	"	4		
7			SW	NW	3		29 68	65	62	62		"	"	6		
8			WNW	"	3		29 68	65	62	62		"	"	8		
9			WNWbyW	WNWbyW	3		29 70	65	63	62		"	"	4		
10			SWbyW	SWbyW	4		29 72	65	60	60		occ lgt	"	3		
11			SW	"	2		29 73	65	60	60		"	"	2		
Mid.			"	Calm	0		29 73	65	60	60		occ	"	0		

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at Sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander N. A. Schley, , U. S. Navy,

Monday June 16th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM Clear and cold Squally. Moderate to fresh from N N E
(Signed) L. P. Jouett
Master.

From 4 to 8 AM Partially overcast. clearing up towards end of watch Moderate to stiff breeze from N N W to N. Bar falling slowly Sea smooth At 730 Flagship made gen sig 3350 Answered.
(Signed) C. B. T. Moore.
Ensign

From 8 AM to Mid Clear and pleasant Stiff breeze from N by W to N At 915 Spanish Bark. "Sebastiano Senna" in getting underway fouled us on port quarter and did the following damages viz. Both whale boats davits bent one sleeve bent and one broken Whale boat davit cleat lost overboard Whale boats strong backs cracked Life buoy staff broken fire plate and box lost overboard buoy guard broken and part of it lost overboard. supporting chain lost overboard After section of Poop rail and five of the supporting stanchions broken and three of the sockets for same drawn out. Spanker boom crotch cracked and the crotch brasses bent. Hook of spanker gaff slings broken. Plank shear moulding and spanker boom chafed Whale boats falls stranded and after guy of davit and port spanker vang carried away. At 9.30. "Hartford" made gen sig 3747 At 945 the Captain and officers of the General Court left the ship At 1045 Italian Corvette "Governolo" got underway and stood to S.E. & E. Hoisted Whale boat on starb'd bow from davit and fore yard Bar steady 29.78
(Signed) C. L. Browne
Midshipman

From Mid to 4 PM Overcast and cloudy. with moderate breeze from N W. Received in Pay Dept. 95 lbs fresh beef and 95 lbs vegetables At 115 this ship made Int sig 5455 Flagship answered 5637. At 355 Flagship made gen sig 2984 Answered Bar falling slowly Sea smooth By order of Comdg officer James Hennessy (1st) was placed in solitary confinement on bread and water for resisting the police authorities of the ship
(Signed) T. A. Dean
Boatswain

From 4 to 8 P.M. Cloudy and pleasant. Gentle to moderate breeze from N by W to N W. Lightning during last three hours Bar steady 29.68
(Signed) C. L. Browne
Midshipman

From 8 P M to Mid Cloudy and overcast. Passing showers and rain the last three hours Gentle to light breeze from N W by W to S W by W. Calm last hour Lightning Bar rising slowly. (Signed) L. P. Jouett
Master

Hands piped Last gr. Dec. N 24°

Examined and found to be correct.
Signed H. B. H. Curtis Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SW	SE	2		29 74	65	60	60		obt	Cir Kmb	0	S	
2			"	NW	2		29 74	65	60	60		obtd	"	0	"	
3			"	NE	2		29 74	64	59	58		cbtr	"	0	"	
4			"	NW	2		29 74	64	59	58		"	"	0	"	
5			SWby W	SWby S	1		29 75	64	58	58		rcbt	Cir Kmb	0	S	
6			SW	S	1.4		29 77	64	58	58		ocbt	"	0	"	
7			SWby S	"	1.4		29 81	63	56	56		ocgf	"	0	"	
8			"	SWby S	1		29 85	62	56	56		odf	"	0	"	
9			SSE	SE	2		29 88	63	55	55		"	"	0	"	
10			Eby S	"	1.4		29 90	61	55	56		"	"	4	"	
11			"	Eby S	1		29 91	61	56	56		oc	"	5	"	
Noon.			"	E	1		29 92	61	57	56		"	"	7	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2100	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1			SW	None	0		29 92	62	58	57		oc	Cir Kmb	3	S	
2			Sby E	Sby E	1		29 92	62	58	57		bc	Cir Cum	5	"	
3			Sby W	S	2		29 94	62	58	57		oc	Cir Kmb	2	"	
4			SSW	Sby W	2		29 94	62	58	56		bc	"	2	"	
5			SW by W	"	3		29 99	61	56	56		"	"	9	"	
6			S	Calm	0		30 00	64	57	56		"	"	6	"	
7			W	"	0		30 02	64	56	56		"	"	6	"	
8			SW	"	0		30 02	63	56	56		"	"	9	"	
9			SE	NW	1		30 05	63	55	54		bcz	Cum	9	"	
10			E	"	1		30 08	63	55	54		"	"	9	"	
11			NE	"	1		30 08	63	55	54		"	"	9	"	
Mid.			NW	"	1		30 9	62	54	54		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander W. S. Schley. , U. S. Navy,

Tuesday June 17th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Cloudy with sharp peals of thunder and vivid flashes of lightning Drizzling rain second hour and steady rain last two hours Wind varying from S.E. - S.W. E & N.W. Bar steady at 29.74

Signed S. C. Lemly
Ensign

From 4 to 8 A M. Overcast and disagreeable Light airs to moderate breeze from S.W. by S. to S. Occasional light squalls lightning and thunder during first two hours. At 6.30 a fog bank rose to S. and E. settling into a dense fog during remainder of watch Bar rising 29.85

Signed S. L. Brune
Midshipman

From 8 A M to Noon Overcast cloudy and disagreeable Light airs from S.E. to E. By order of Comdg Officer W. H. Sheldon (05) and W. J. Lyndon (05) was placed in double irons for being drunk on duty At 9.30 Flagship made gen sig 3247 Carpenters employed repairing damages on port quarter Bar rising Sea smooth

Signed F. A. Dean
Boatswain

From Noon to 4 P.M Overcast clearing away second hour became cloudy again third hour. Light airs to light breezes from S by E. - S. - and S by W. At 12.15 Whale boats davits, davits sleeves. Spanker boom crotch, 1 section of poop rail, 5 stanchions, fragments of life buoy guards. caps of life buoy staff port fire box and small bolts sent on shore for necessary repairs At 1. Flagship made gen sig 52 55 Loosed sails At 3.30 made Sat sig 4826 Hartford answered 904 Furled sails. By order of the Comdg officer W. J. Lyndon (05) and W. H. Sheldon (05) were released from confinement.

Signed S. C. Lemly.
Ensign

From 4 to 8 P M Clear calm and pleasant. Bar rising Cir Nimb clouds At 4.45 Flagship made prep sig 6 and 3 answered and sent down T. Y. yards At 5.10 Flagship made gen sig 2985 answered

(Signed) F. A. Dean
Boatswain

From 8 P M to Mid. Clear and pleasant Stage about horizon Light airs from N.W. Smooth sea Bar rising

Signed S. C. Lemly
Ensign

Moons phase Last qr. N. 25°

Examined and found to be correct. Signed C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SSW	N	1		30 09	60	54	52		bw	None	10	S	
2			"	NE	2		30 09	60	54	52		"	"	10	"	
3			S by W	E	2		30 09	60	54	52		"	"	10	"	
4			SE	"	2		30 09	60	54	52		"	"	10	"	
5			S	E SE	2		30 10	59	53	52		b	"	10	"	
6			SE	"	2		30 11	59	53	50		"	"	10	"	
7			SE by E	SE	3		30 13	59	52	51		"	"	10	"	
8			"	SE by E	3		30 13	58	53	52		"	"	10	"	
9			E SE	"	3		30 14	60	53	52		"	"	10	"	
10			E by S	E by S	3		30 15	60	54	53		"	"	10	"	
11			"	"	3		30 16	63	54	53		"	"	10	"	
Noon.			"	"	3		30 15	64	55	54		"	"	10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			E by S	E	4		30 10	64	55	54		bc	fair & c	9	W	
2			E	"	5		30 06	63	55	53		"	fair	7	"	
3			E by S	"	5		30 03	61	54	53		"	fair & cum	6	"	
4			E by N	"	5		30 02	62	54	53		"		5	"	
5			E by N	E by N	4		30 02	65	54	52		oc	fair & Squalls & Rain	0	"	
6			"	NE by N	4.5		30 00	66	54	52		bal	"	3	"	
7			"	E by N	4		29 98	64	53	51		"	fair & cum	5	"	
8			"	"	5.6		29 93	62	53	51		"	"	7	"	
9			E N E	E N E	5.7		29 92	65	53	51		oc gl	fair & Rain	0	"	
10			N E by E	N E by E	5.7		29 90	66	53	52		"	"	0	"	
11			N E	N E	6.8		29 86	64	54	52		bc gl	"	4	"	
Mid.			"	"	6.8		29 81	63	55	54		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, , U. S. Navy,

Wednesday June 18th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cold with light airs from N. to light breeze from E. Heavy dew Bar steady.
Signed G. B. T. Moore
Ensign

From 4 to 8 A M Clear and pleasant. Light to gentle breeze from E S E to S E. Bar rising slowly.
Signed L. P. Jouett
Master

From 8 A M to Merid Clear cool and pleasant with light breeze from E by S. At 8 45 Flagship made prep sig 5761 and at 8 50 gen sig 5761 Sent up T. G. and R yards and loosed sail At 9.30 Flagship made gen sig 3247 Bar rising Sea moderate
Signed F. A. Doran
Boatswain

From Merid to 4 P M Clear and pleasant Moderate to fresh breeze from E. Moderate sea At 12 55 Flagship made prep sig 4826 and at 1 00 signal of execution Furled sail At 3 35 Flagship made gen sig 2984 At 3 45 English gunboat "Mallard" came in Received on board in Pay Dept 151 lbs fresh beef and 151 lbs vegetables for crew Mustered crew at quarters and cleared out clean hammocks
Signed H. H. Richardson
Carpenter.

From 4 to 8 P M Overcast and cloudy first hour after which clearing Cool Moderate to fresh breeze from E by N. except during second hour when from N E by N. Moderate sea Bar falling. At 4 05 Hartford made prep sig 5040 At 4.30 prep 6068 and at 4 35. 6866. Sent down light yards. Lightning all around horizon
Signed L. C. Lemly.
Ensign

From 8 P M to Mid. Overcast first half and partially so last half. Stiff breeze to moderate gale from E N E. to N E. blowing in heavy squalls Bar falling Moderate sea
Signed G. B. T. Moore
Ensign

Moons Phase Last qr. Dec. N 26°

Examined and found to be correct.
Signed W. C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NE	NE by N	7.8		29 78	63	56	56		oc lg	Cum Nimb	0	W	
2			N8 by N	"	7.8		29 75	62	58	56		"	"	0	"	
3			"	"	7.8		29 68	62	58	56		bc lg	"	3	"	
4			"	"	7.8		29 66	62	58	56		oc lg p	"	0	"	
5			"	"	7.8		29 65	62	58	56		oc q t lp	"	0	"	
6			NNE	N NE	7.8		29 65	62	58	56		oc q p	"	0	"	
7			"	"	6.7		29 62	62	59	57		oc q	"	0	"	
8			"	"	6.7		29 60	60	59	57		"	"	0	"	
9			N by E	N by E	6		29 60	63	60	60		oc q p	"	1	"	
10			NNE	NNE	5		29 60	64	61	60		"	"	0	"	
11			N by E ½ E	N by E	5		29 57	68	62	62		oc r	Nimb	0	"	
Noon.			N by E	"	5		29 58	68	63	62		oc	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 50 "

Water remaining on hand fit for use at Noon 1550 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N by W	N	5.6		29 50	68	62	62		oc lg t	Cum Nimb	0	W	
2			N W	N by W	5.7		29 47	67	61	61		oc q r	Nimb	0	"	
3			N	"	5.6		29 47	67	62	62		"	"	0	"	
4			N by E	N N W	5.6		29 47	67	62	62		oc q r b	"	0	"	
5			"	N W by N	2		29 47	68	62	62		o q r	"	0	"	
6			N W ½ W	W by N	3		29 50	68	61	61		o	"	0	"	
7			W by N	W	2		29 50	68	58	58		"	"	0	"	
8			S W by W	W by S	4		29 54	68	58	58		o q r	"	0	"	
9					4.5		29 54	66	57	57		"	"	0	"	
10			S W	S W	4.5		29 56	65	56	56		o q	"	0	"	
11			W S W	W S W	5.6		29 58	63	55	55		o q r	"	0	"	
Mid.			S W	S W	6.7		29 60	63	55	55		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. S. Schley, U. S. Navy,

Thursday June 19th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy squally and disagreeable Very fresh to moderate gale from N.E. by N. Moderate sea Lightning from N.W. & S.W. & N.W. & N.E. At 3.50 a heavy rain squall passed over Bar steadily falling 29.66

(Signed) C. L. Boyne
Midshipman

From 4 to 8 A.M. Moderate gale to very fresh breeze from N.E. by N. and N.N.E. Moderate sea. Overcast cloudy and squally with thunder and lightning first half of watch and occasional showers of rain Up to 7 o'clock Bar falling 29.60 at end of watch Sixteen feet of water under stern at 8.

(Signed) S. C. Lemly.
Ensign

From 8 A.M. to Meridn. Overcast & heavy rain Thunder and lightning to N.E. & N. Wind variable and squally Sea moderate At 9.20 Flagship made gen sig 32.47 And at 11.10 Flagship made prep sig 6.40 Sent down T. G. mast. Received in Pay Dept. 50 lbs fresh beef and 50 lbs vegetables for crew Patrick Punch (os) confined in double irons in fore passage for insolence to officer of the deck and Walter Thomas (Ldg) was given two extra mid watches for talking at quarters - both by order of Comdg Officer Bar steady; first two hours falling next and rising last hour.

(Signed) W. H. Richardson
Carpenter.

From Mrid. to 4 P.M. Overcast squally and disagreeable Stiff to very fresh breeze from N.E. to N.N.W. Lightning from N.W. & S.E. first hour Last hour from N.E. Moderate Sea Bar steady at 29.47

(Signed) C. L. Boyne
Midshipman

From 4 to 8 P.M. Overcast and disagreeable with frequent rain squalls Light to moderate breeze from N.W. by N. to W. by S. At 4.12 Flagship made gen sig 39.67 with English ensign at yard arm Bar rising 29.54

(Signed) W. H. Richardson
Carpenter.

From 8 P.M. to Mid. Overcast squally and disagreeable Moderate to very fresh breeze from W. by S. to W.N.W Fresh pampero during latter part of watch At 11.10 let go starboard anchor under foot. At 12 veered to 7 5 fms in port and 22½ fms on 5th chain Moderate sea Bar rising 29.60

(Signed) C. L. Boyne
Midshipman

Moon's phase New Moon Dec. 16.

Examined and found to be correct.

(Signed) W. C. Gorst
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SW by W	SW by W	7.8		29 62	61	53	52		og	Nimb	0	R	
2			W SW	S W	7.8		29 65	60	53	52		bcg	"	3	"	
3			SW by W	"	7.8		29 65	59	52	52		"	"	2	"	
4			S W	"	7.8		29 65	58	52	51		"	"	2	"	
5			"	"	7.8		29 68	58	57	50		"	"	5	"	
6			SW by W	SW by W	7.8		29 70	57	51	50		bc	"	7	"	
7			"	"	7.8		29 74	57	50	48		"	None	10	"	
8			S W	S W	7.8		29 80	57	50	48		"	"	10	"	
9			SW by W	SW by W	7.8		29 84	59	50	48		"	"	10	"	
10			S W	S W	6.8		29 89	60	50	48		b	"	10	"	
11			W S W	SW by W	6.7		29 90	63	51	49		"	"	10	"	
Noon.			"	"	6.7		29 92	63	51	49		"	"	10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 800 "

Water remaining on hand fit for use at Noon 2050 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			SW by W	W	6.7		29 92	62	51	49		b	None	10	R	
2			"	"	6.8		29 92	60	52	50		"	"	10	"	
3			"	"	6.8		29 94	60	53	51		"	"	10	"	
4			"	"	6.7		29 97	62	53	51		"	"	10	"	
5			W by S	W by S	6		30 00	64	53	52		"	"	10	W	
6			"	"	6		30 00	65	53	52		"	"	10	"	
7			"	W N W	5.6		30 02	65	51	51		"	"	10	"	
8			W S W	"	5		30 03	66	51	50		"	"	10	"	
9			"	"	5		30 03	65	51	50		bq	"	10	"	
10			W	"	5.6		30 03	64	50	50		"	"	10	"	
11			"	W by W	5.7		30 03	64	50	49		"	"	10	"	
Mid.			W by N	"	5.6		30 04	61	49	48		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Friday June 20th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Cloudy and cool with very fresh breeze to moderate gale from N N W to S W. blowing in heavy squalls Rough sea Bar rising slowly. Signed S. C. Lemly Ensign

From 4 to 8 A M Clear and cool. Moderate gale from S W by S to S W by W. Sea rough Bar rising rapidly At 8 dressed ship with mast head flags. English at the main Signed L. P. Jouett Master.

From 8 A M to Meridn Clear and equally fresh breeze to moderate gale from S W to S W by W. At 9.15 sounded to fire quarters exercised at fire quarters At 9.30 "Hartford" made gen sig 32.4 At 9.40 the Captain and Officers of General Court left the ship At noon the "Hartford" & M.S. Garret and the ballers on shore each fired a salute of 21 guns Rough sea Bar rising 29.92 Weather and sea moderating Signed E. F. Bruns Midshipman

From Meridn to 4 P M Clear cool and pleasant with stiff breeze from W. Bar rising slowly Sea Rough Signed F. W. Dean Boatswain

From 4 to 8 P M Clear and pleasant. Stiff to fresh breeze from W by S. to W N W. Moderate sea Bar rising 30.03 Signed E. F. Bruns Midshipman

From 8 P M to Mid Clear cool and pleasant Stiff to fresh breeze from W. N. W. to N W by W. Moderate sea Bar Steady. (Signed) L. P. Jouett Master.

Moon's phase First qr Dec. N 24°

Examined and found to be correct.

Signed H. H. Carter Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NbyE	NW	5.6		30 04	60	49	48		b	None	10	S	
2			"	"	5.6		30 04	59	48	47		"	"	10	"	
3			"	"	5.6		30 04	58	47	46		"	"	10	"	
4			"	"	5.6		30 04	57	47	46		"	"	10	"	
5			"	NWbyW	5.6		30 04	57	47	46		bc	Cirrus	9	"	
6			NNE	"	5		30 04	56	46	46		"	"	8	"	
7			NE	NWbyN	5		30 06	55	43	42		"	"	7	"	
8			NNE	NW	5		30 05	54	43	42		"	"	7	"	
9			"	"	5		30 08	55	45	44		"	"	7	"	
10			"	"	5		30 09	60	50	48		"	"	7	"	
11			"	"	5		30 10	60	53	50		"	"	7	"	
Noon.			"	"	5.6		30 08	60	56	52		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 1000 "

Water remaining on hand fit for use at Noon 2750 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			NNE	NWbyN	5		30 05	60	57	54		bc	Cirrus	5	W	
2			NWbyN	"	5		30 03	60	60	56		"	"	4	"	
3			NNW	NNW	5		30 02	60	60	56		bc m	"	3	"	
4			"	"	5		30 02	62	59	57		"	"	3	"	
5			NNE	NbyE	4		30 00	63	56	54		"	"	6	"	
6			"	N	4		30 00	63	55	53		"	"	8	"	
7			"	"	3		30 00	62	53	52		"	"	8	"	
8			"	"	3		30 01	62	53	53		"	"	9	"	
9			NEbyN	"	4		30 00	62	52	50		b	None	10	"	
10			"	"	5		30 02	62	55	52		"	"	10	"	
11			"	"	5.6		30 02	61	55	53		"	"	10	"	
Mid.			"	"	5.6		30 02	61	55	53		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. I. Ichley, U. S. Navy,

Saturday June 21st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m Cloudless and cool with stiff to fresh breeze from N.W. Sea smooth Bar steady at 30 0

Signed S. C. Lemly
Ensign

From 4 to 8 a m Clear cool and pleasant. Stiff to fresh breeze from N.W by W. to N.N.W. Hove up Mds anchor and hove into 60 fms on port chain Received in Instruction Dept. one spar for Whale boats strong backs Smooth sea Bar rising 30 05

Signed C. L. Bruns
Midshipman

From 8 a m to Merid Cool and pleasant with moderate breeze from N.N.W. At 9 05 Flagship made gen sig 374 At 9 50 Flagship made prep sig 6144 and at 9 55 signal of execution Answered and sent down Top gallant masts and yards. Main top gallant mast prop parted No Accident Received in Nav Dept 100 candles for running lights from the Flagship Bar steady Sea smooth

Signed F. A. Doran,
Boatswain

From Merid to 4 P M Cool and pleasant Stiff breeze from N.W by N. and N.N.W. Moderate sea Bar falling By order of Comdr Jas Kennessy (P.C.S.) was released from confinement and restored to duty. At 3 50 "Hartford" made gen sig 2984.

Signed S. C. Lemly.
Ensign

From 4 to 8 P M Clear cool and pleasant with ~~light~~ Moderate to gentle breeze from N by E. Bar falling slowly.

Signed F. A. Doran
Boatswain

From 8 P M to Midn Cloudless and cool Moderate to fresh breeze from N. Smooth sea Bar steady last three hours at 30 0

Signed S. C. Lemly
Ensign

Moored Head 1st in gr Dec Var 21°

Examined and found to be correct.

Signed H. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N	N	6		30 02	61	51	50		b	None	10	S	
2			"	"	6		30 02	60	51	50		bc	Cums	10	"	
3			"	"	6		29 99	58	57	50		"	"	8	"	
4			"	"	6		29 98	58	51	50		"	"	7	"	
5			"	N by W	4		29 98	57	51	50		"	Cir Cums	1	"	
6			N E	"	3		30 00	56	51	50		c	"	0	"	
7			"	"	3		30 00	56	50	48		"	"	0	"	
8			"	"	3		30 03	56	50	48		"	"	0	"	
9			E N E	N	3		30 03	57	51	50		"	"	0	"	
10			"	"	3		30 02	58	54	52		bc	"	2	"	
11			E by N.	"	3		30 00	58	55	53		bc	"	0	"	
Noon.			E N E	"	3		29 98	59	56	54		bc	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1			E by N	N by W	3		29 95	59	58	56		bc	Cir Cum	1	S	
2			"	"	3		29 91	59	58	56		c	"	0	"	
3			N E	"	3		29 90	59	57	56		"	Cums	0	"	
4			N by E	N by E	2		29 90	59	57	56		"	"	0	"	
5			N	"	3		29 90	59	57	56		oc	"	0	"	
6			"	"	3		29 88	61	57	55		"	"	0	"	
7			"	"	3		29 88	63	57	55		"	"	0	"	
8			"	"	3		29 88	63	58	56		"	"	0	"	
9			N E	N N E	4		29 86	66	59	58		c	"	0	"	
10			"	"	4		29 85	66	59	58		oc	"	0	"	
11			E by N	"	4.5		29 83	65	59	58		"	Cum Nimb	0	"	
Mid.			"	"	4.5		29 81	64	58	58		oc	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ackley, U. S. Navy,

Sunday June 22d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold first part. cloudy last hour. Fresh breeze from N. Bar falling Sea smooth.
Signed / G. D. T. Moore
Ensign

From 4 to 8 A.M. Generally cloudy. Cool. Gentle to moderate breezes from N by E. Smooth sea Bar rising slowly. At 7.30 Flagship made dress sig 3358
Signed / L. P. Jouett
Master

From 8 A.M. to Merid. Generally overcast. Gentle breeze from N. Smooth sea Bar falling At 9.25 had divisional inspection and at 9.45 mustered and inspected at quarters An English (S.S.) steamer came in and an American Barkentine went to sea (Signed / J. B. Lemly
Ensign

From Merid to 4 P.M. Overcast and pleasant with gentle breeze from N by E. to light breeze from N by E. Bar falling Sea smooth.
Signed / G. D. T. Moore
Ensign

From 4 to 8 P.M. Overcast cool and pleasant with gentle breeze from N by E. At 4 to Flagship made prep sig 5 to 4 Answered and got up hammock gantlines Bar steady 29.85 Sea smooth
(Signed / J. C. Dean.
Boatswain

From 8 P.M. to Mid Overcast and pleasant first hour Threatening rain last three hours with lightning and thunder near it. Bar falling Sea smooth
(Signed / G. D. T. Moore
Ensign

Moon's phase. First qr. Decl N. 16°

Examined and found to be correct.
Signed / B. K. Bartlett Jr.
Lieut.
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNE	NNE	3		29 78	64	58	58		or bt	Cirrus	0	S	
2			N	N by W	3		29 78	64	58	58		"	"	0	"	
3			N by W	"	3		29 78	64	58	58		"	"	0	"	
4			NNW	"	3		29 76	64	58	56		"	"	0	"	
5			WSW	NW	3		29 75	64	58	57		ob bt	"	0	"	
6			"	"	2		29 70	64	59	58		"	"	0	"	
7			"	"	2		29 73	64	59	59		"	"	0	"	
8			SSW	"	1		29 75	64	59	59		"	"	0	"	
9			WSW	SSE by E	1		29 77	63	58	58		or	"	0	"	
10			"	WNW	1		29 78	63	58	58		or bt	"	0	"	
11			W	NE by E	1		29 78	63	58	58		or	"	0	"	
Noon.			"	NE	1		29 75	63	58	58		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			SW by W	W	2		29 75	63	57	57		or l	Cirrus	0	S	
2			SW	S	2.4		29 78	62	56	56		ob	"	0	"	
3			"	"	2.5		29 78	62	55	55		ob	"	0	W	
4			"	S by W	5.6		29 81	62	54	54		"	"	0	"	
5			"	S	5		29 83	62	54	54		or	"	0	"	
6			"	S by W	5		29 85	62	54	53		"	"	0	"	
7			SW by W	"	5		29 89	64	55	54		oc	"	0	"	
8			SW by S	"	6.7		29 90	65	55	54		"	"	0	"	
9			SSW	SW by S	7.8		29 92	65	55	54		ogl	"	0	"	
10			SW by W	"	6.8		29 94	58	53	51		"	"	0	"	
11			"	"	6.8		29 97	65	52	52		"	"	0	"	
Mid.			"	S	6.8		29 97	62	52	52		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Monday. June 23d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Overcast and disagreeable Gentle breezes from N N E to N by W Heavy rain Vivid flashes of lightning mainly from N^d to E^d and violent thunder during the entire watch Bar steady 29.76

Signed L. L. Brune
Midshipman.

From 4 to 8 A M Overcast with frequent heavy passing showers Gentle breezes to light airs from N W. Vivid flashes of lightning and sharp peals of thunder Bar unsteady

Signed S. C. Lemly
Ensign

From 8 A M to Mdnt Overcast and rainy almost all the watch with occasional lightning and thunder Light airs from S E by E to N E At 9.30 Flagship made gen sig 324 Patrick Quinch (OS) was released from confinement by order of Wdg Officer.

Signed W. H. Richardson
Carpenter.

From Mdnt to 4 P M Overcast and disagreeable Light to fresh breezes from W to S. At 1.30 a fog passed over drizzling rain Light to moderate squalls Bar rising 29.81 At 3 to Flagship made prep sig 6 to 4

Signed L. L. Brune
Midshipman

From 4 to 8 P M Overcast all the watch with occasional showers At 4.35 Flagship made gen sig 6.4 to 4 Sent down T.G. masts Stiff to very fresh breezes from S. to S by W Moderate to rough sea.

Signed W. H. Richardson
Carpenter.

From 8 P M to Mdt Overcast and disagreeable Fresh breezes to moderate gale from S by E to S. blowing in strong gusts and heavy squalls Light drizzling rain At 9.40 let go starb'd anchor with 15 fms chain outside hawse pipe Compressors hove back and chains not secured veered to 60 fms on port chain at waters edge Rough sea Bar steadily rising

Signed L. L. Brune
Midshipman

Moon's phase First qr. Decl. N 11°

Examined and found to be correct.

Signed W. H. Scanton
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Montevideo Rio de la Plata

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S ½ W.	S	6.7		29 95	59	51	50		rcq	Nimb	0	R	
2			S	"	6.7		29 95	58	51	50		cq	"	0	"	
3			"	S by E	6.8		29 95	57	51	50		ccq	"	0	"	
4			S ½ E	"	7.9		29 95	57	51	50		"	"	0	"	
5			S by E	"	7.9		29 93	56	50	50		cq d	"	0	"	
6			S by W.	"	7.9		29 93	56	51	50		"	"	0	"	
7			S	"	7.9		29 93	56	51	50		"	"	0	"	
8			"	"	7.9		29 93	57	52	50		cq	"	0	"	
9			"	"	7.9		29 95	60	52	51		cq ms	"	0	R. R	
10			"	"	7.9		29 96	60	51	50		"	"	0	"	
11			S S E	S S E	7.9		29 97	62	51	50		"	"	0	"	
Noon.			S ½ E	"	7.9		29 97	62	52	51		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 200 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S	S	8.9		29 94	62	52	52		cqur.	Nimb	0	R	
2			"	"	8.9		29 92	64	52	52		"	"	0	"	
3			S by W	S by E	8.9		29 91	65	52	52		"	"	0	"	
4			"	"	8.9		29 90	67	52	52		"	"	0	"	
5			"	S S E	8.9		29 88	67	52	52		"	"	0	R. R	
6			S W by S	"	8.9		29 88	65	52	52		cqu dt	"	0	"	
7			S	"	8.10		29 85	67	53	52		"	"	0	"	
8			S by W	"	8.10		29 90	65	52	51		"	"	0	"	
9			S	"	8.10		29 90	65	52	51		"	"	0	"	
10			S W by W	S by E	8.10		29 90	65	52	51		ccq r	"	0	"	
11			"	"	8.10		29 90	62	51	51		"	"	0	"	
Mid.			"	"	8.10		29 90	62	51	51		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. T. Schley, , U. S. Navy,

Tuesday. June 24th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Cloudy and cool first part. overcast and squally latter part. blowing a moderate breeze to strong gale from S. and S by E. At 230 veered to 90 fms on port and 45 fms on stbd chain Bar Steady Rough sea

Signed L. P. Jouett
Master

From 4 to 8 AM Overcast with drizzling rain at intervals Very fresh breeze to strong gale from S by E. blowing in heavy gusts Sea rough Bar steady

Signed C. B. T. Moore.
Ensign

From 8 AM to Mid'd Overcast cloudy and disagreeable Very fresh to strong gales from S by E to S.S.E. blowing in strong gusts and heavy squalls Misty Very rough sea. At 11.25 am American bark in inner harbor got adrift and hoisted American ensign Union down. Bar steady 29.97

Signed C. L. Byrnes
Midshipman

From Mid'd to 4 PM Overcast damp and disagreeable Occasional showers of rain first two hours of watch moderate to strong gale from S & S by E Bar 29.90 Sea rough American bark with union down was towed abreast of Custom House.

Signed T. A. Drane
Boatswain

From 4 to 8 PM Overcast ugly threatening and disagreeable Moderate to very strong gales from S S E blowing in violent gusts Very rough sea At 5 sea stove in upper part of first port. Taking in heavy seas over weather bow and rail. Got shot anchor on bow and bent shot chain. Bar unsteady 29.90 At 7.15 started fires under additional boilers

Signed C. L. Byrnes
Midshipman

From 8 PM to Mid'd Cloudy overcast equally and rainy. blowing moderate to very strong gales from S by E to S S E Bar steady Rough sea.

Signed L. P. Jouett
Master.

Moons phase First qr. Dec N. 6°

Examined and found to be correct.

Signed W. H. H. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SWbyW	SbyE	8.10		29 85	59	51	51		C.S.g.	Nimb	0	R	
2			"	"	8.10		29 83	59	51	51		"	"	0	"	
3			"	"	8.10		29 80	58	50	50		"	"	0	"	
4			"	"	8.10		29 78	58	50	58		"	"	0	"	
5			SW	"	8.10		29 76	58	50	50		Cg r wh	"	0	VR	
6			"	"	8.10		29 76	57	49	49		"	"	0	"	
7			"	S	8.10		29 75	56	50	49		"	"	0	"	
8			"	"	8.10		29 78	56	50	49		"	"	0	"	
9			"	"	8.10		29 80	54	50	49		"	"	0	"	
10			"	"	8.10		29 83	63	49	49		"	"	0	R	
11			"	"	8.10		29 84	64	49	48		"	"	0	"	
Noon.			"	"	8.10		29 84	64	49	48		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 800 "

Water remaining on hand fit for use at Noon — 2400 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			SW	SSW	8.9		29 84	64	50	50		Cgd	Nimb	0	R	
2			"	"	8.9		29 84	65	50	50		Cgr	"	0	"	
3			"	"	8.9		29 87	65	50	50		"	"	0	"	
4			"	"	8.9		29 90	65	50	50		"	"	0	"	
5			"	"	8.9		29 90	64	49	49		"	"	0	"	
6			"	"	8.9		29 92	65	49	48		"	"	0	"	
7			SWbyW	"	8.9		29 94	67	50	49		"	"	0	"	
8			"	"	7.8		29 95	67	49	49		"	"	0	"	
9			"	SWbyS	7.8		29 95	67	48	48		Cgd	"	0	"	
10			"	"	6.7		29 95	67	48	48		"	"	0	"	
11			"	"	6.7		29 95	65	47	47		Cgr	"	0	"	
Mid.			"	"	6.7		29 95	63	47	47		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander H. A. Ashley, , U. S. Navy,

Wednesday June 25th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M Moderate to very strong gale from S by E. Rough sea Bar falling Equally. Raining continually Fires in four boilers

Signed A. H. Lemly
Ensign

From 4 to 8 A M Overcast ugly threatening and very disagreeable Moderate to very strong gales from S by E to S. blowing in sudden and violent gusts Drizzling rain Very rough sea Taking in seas frequently over weather bow and rail At 6.50 A. M. U. S. "Mallard" got underway and anchored in the outer harbor Bar steady 29.78 Ast pres 55 lbs.

Signed Wm L. Bruns
Midshipman

From 8 A M to Merid. Overcast equally rainy and disagreeable Moderate to strong gales from S. At 10.40 veered to 105 fms on port and 55 fms on stbd chain Bar steady last two hours Sea very rough Fires banked in four boilers

Signed F. A. Dran
Boatswain

From Merid to 4 P M Overcast equally and rainy Moderate to fresh gale from S by W and rough sea Bar steady at 29.84 first two hours afterwards rising Fires banked in four boilers.

Signed A. H. Lemly
Ensign

From 4 to 8 P M. Overcast rainy and disagreeable with strong gale first part of watch and moderate last part. Bar rising Sea rough Fires banked in four boilers

(Signed) F. A. Dran.
Boatswain

From 8 P M to Mid Overcast equally and rainy Fresh breeze to moderate gale from S. W by S. decreasing in force Sea rough but going down. Bar steady at 29.95 Fires banked in four boilers

(Signed) A. H. Lemly.
Ensign

Moons phase First qr Dec. 0°

Examined and found to be correct.

Signed B. K. Bartol
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S W	S.S.W	6.7		29 95	62	47	47		opq	Nimt	0	W	
2			"	"	6.7		29 95	62	47	47		"	"	0	"	
3			"	"	6.7		29 94	62	47	47		"	"	0	"	
4			"	"	6.7		29 92	61	47	47		"	"	0	"	
5			S. W by W	S. W by S.	5.6		29 95	57	48	48		ocq	"	0	"	
6			"	"	5.6		29 95	57	48	48		"	"	0	"	
7			"	"	5.6		29 97	56	48	48		"	"	0	"	
8			"	"	5.6		30 00	56	48	48		ocd	"	0	"	
9			"	"	5.6		30 03	61	48	48		"	"	0	"	
10			"	S. W.	5.6		30 05	64	48	48		"	"	0	"	
11			"	"	4.5		30 05	63	48	48		"	"	0	"	
Noon.			S. W.	S. W by S.	4.5		30 05	63	48	48		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 700 "

Water remaining on hand fit for use at Noon 2800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S. W.	S. W.	5		30 05	65	48	48		ocq	Nimt	0	W	
2			"	S. W by W	5.4		30 05	65	48	48		ocd	"	0	"	
3			W. by S.	W S. W	5		30 05	65	48	48		od	"	0	"	
4			S W by W	S. W	3		30 05	65	48	48		oc	"	1	"	
5			"	S W by W	3		30 07	65	50	48		bczq	Str + Nimt	1	"	
6			"	"	3		30 07	66	50	48		"	Cum + Nimt	1	S.	
7			W S. W.	"	3		30 06	66	50	48		"		1	"	
8			"	"	3		30 06	64	50	48		"	"	1	"	
9			W by S.	W by S.	4		30 06	63	50	48		"	"	4	"	
10			W S. W	"	4		30 06	62	50	49		"	"	5	"	
11			"	"	4		30 06	61	50	49		bc	Cirrus	8	"	
Mid.			S. W by W.	"	4		30 06	60	50	49		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Ickley, U. S. Navy,

Thursday, June 26th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cool. with fresh to very fresh breeze from S. S. E. blowing in squalls Passing showers. Seas moderate Bar falling.
(Signed) C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy squally and overcast with drizzling rain last hour. Stiff to fresh breeze from S. E by S. Bar rising. slowly Moderate sea At 7.30 Flagship made dress sig 3350. Hauled fires in two boilers.
(Signed) Lt P. Foster
Master

From 8 A.M to Merid Overcast cool and disagreeable with stiff to fresh breeze from S. E to S. E by S. At 8.45 received on board in Pay Dept. 151 lbs of fresh beef and 151 lbs vegetables for crew At 9.30 Flagship made general sig 374 Answered Bar steady Seas moderate. (Signed) F. C. Drane
Boatswain

From Merid to 4 P.M. Overcast with passing showers All the watch Gentle to stiff breeze from S E to E. S. E. Seas moderate Engaged in heaving in on both chains. Bar steady all the watch at 30.05
(Signed) H. H. Richardson
Carpenter

From 4 to 8 P.M. Overcast cloudy and hazy. Light to gentle breeze from S. E by E. Bar falling slowly. H. B. M. S. "Garnet" shifted berth An English steamer went to sea Received fresh provisions for crew
(Signed) A. C. Leonard
Ensign

From 8 P.M to Med Clear and cold with moderate breeze from E by S. Bar steady sea smooth Fires banked in two boilers.
(Signed) C. B. T. Moore
Ensign

Moon's phase First qr. Dec S. 6°

Examined and found to be correct.

(Signed) B. H. Bates
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex." 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W.	W S W.	2.3		30 06	60	50	48		bw	None	10	S.	
2			S S E	W N W	2		30 06	60	49	48		"	"	10	"	
3			S by E	N W	2		30 05	59	48	48		"	"	10	"	
4			E S E	W.	2		30 05	58	47	47		"	"	10	"	
5			"	N	2		30 05	58	47	47		"	"	10	"	
6			N W.	"	2		30 05	58	45	45		"	"	10	"	
7			"	"	2		30 05	58	42	46		bc	Str	9	"	
8			"	"	2		30 05	56	42	45		"	"	8	"	
9			N N W.	N N W	3		30 05	59	43	45		b	Haw	10	"	
10			"	"	2		30 07	60	47	49		"	"	10	"	
11			N W.	"	2		30 06	60	51	50		"	"	10	"	
Noon.			W by N	W W by W	2		30 05	61	53	50		"	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2500 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N N E	N W.	3		30 07	63	55	53		bc	Cum	9	S	
2			N E by N	N W by N	3		30 00	64	55	53		"	"	9	"	
3			N E	"	3		30 00	65	55	53		"	"	9	"	
4			N E by E	"	3		29 99	65	53	53		"	"	9	"	
5			E	N	1		29 99	67	54	53		"	Cir	9	"	
6			"	N by W	2		30 00	67	53	52		"	Cir Str	8	"	
7			N by W.	N	2		30 00	67	53	52		b	None	9	"	
8			N	N by W	3		30 00	67	53	52		"	"	10	"	
9			N by E	N by E	2		29 99	63	50	48		bc	Cum	9	"	
10			"	"	2		29 98	63	50	48		bcz	Cum Str	9	"	
11			"	"	2		29 98	62	49	48		bczw	"	8	"	
Mid.			N E	"	2		29 99	61	49	48		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Friday June 27th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear cool and pleasant. Light to gentle breeze from N. E & E to N & W. at 3 30 winds suddenly hauled to N & W. heavy dew Bar steady 30 05 (Signed) C. L. Bryne Midshipman

From 4 to 8 A M Clear and cool with light breeze from N. Smooth sea and paid chut chain below. Bar steady at 30 05 Unbent (Signed) S. C. Lemly Ensign

From 8 A M to Merid. Clear and pleasant. Gentle to light breeze from NW & W to W & W by N. Sea smooth At 8 40 Flagship made preps sig 5455 and at 9 10 made gen sig 5455 Loosed sail at 9 35 Flagship made gen sig 3247 J. H. Greene (Ord) was confined in double irons to fore passage and F. L. Handley (OS 2d Cl) was given twelve hours extra duty by order of Comdg Officer Bar falling slowly (Signed) G. W. Richardson Carpenter

From Merid to 4 P M Clear and pleasant Gentle breeze from N & W to NW by N The Flagship made the following signals at 3 20 preps and 4826. and at 3 23 gen sig 4826. and furled sail at 3 25 preps 6144 and at 3 40 gen sig 6144, Sent up T. G masts and crossed T G. yards. (Signed) C. L. Bryne Midshipman

From 4 to 8 P M. Clear and pleasant. Light to gentle breeze from N to N by W. At 4 35 Flagship made gen sig 3918 at 4 55 Flagship made gen sig 2984 Mustered at quarters John Kallenbach (OS 2d Cl) was rated O.S. from June 1st by order of Comdg Officer Sea smooth Bar steady (Signed) W. W. Richardson Carpenter.

From 8 P M to Mid Clear cool and pleasant. Light breeze from S by E Hazy Heavy dew. Bright moonlight Bar steady 2999 (Signed) C. L. Bryne Midshipman

Moons phase 2d qr Dec S. 17°

Examined and found to be correct.

(Signed) C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NE	N by W	2		29 99	60	49	48		b	None	10	S.	
2			"	"	3		29 99	60	49	48		"	"	10	"	
3			E N E	"	3		29 99	59	48	47		"	"	10	"	
4			E by N.	"	3		29 99	58	47	47		"	"	10	"	
5			N N W	"	3		29 97	58	46	46		b	"	10	"	
6			"	"	4		29 97	57	45	45		"	"	10	"	
7			"	"	4		29 97	57	46	45		bcq	Cum + Str	9	"	
8			"	"	4		29 97	57	46	45		bc	Cir Cum	2	"	
9			N by W.	N	3		29 97	59	49	48		"	"	6	"	
10			"	"	3		30 00	59	51	49		"	"	8	"	
11			N by E	"	3		30 00	58	53	50		"	"	4	"	
Noon.			N by W.	N by W.	3		30 00	58	56	53		"	"	3	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2200 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N	N	3		29 94	58	58	56		bc	Cir Cum	4	S	
2			N N E	"	3		29 92	58	60	58		"	"	6	"	
3			N E by N	N E	3		29 90	60	60	58		"	"	5	"	
4			"	"	2		29 92	62	59	57		"	"	4	"	
5			E by N	N N E	3		29 92	65	58	56		"	Cum Str	4	"	
6			"	N by E	3		29 93	65	58	55		"	"	4	"	
7			E N E	N N E	3		29 93	66	55	54		bcq	"	4	"	
8			N E	"	3		29 93	66	55	54		"	"	4	"	
9			N N E	N by E	3		29 93	65	56	54		bc	Cir Cum	3	"	
10			"	"	3		29 93	65	56	54		"	"	5	"	
11			N by E	"	3		29 93	65	57	55		"	"	6	"	
Mid.			"	"	4		29 93	65	58	56		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. S. Schley, , U. S. Navy,

Saturday June 28th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light to gentle breeze from N by W. Hazy around horizon Smooth sea Bar steady.

(Signed) L. P. Jouett
Master.

From 4 to 8 A.M. Clear and cool. clouding over at end of watch Gentle to moderate breeze from N by W. Bar steady. Sea smooth.

(Signed) L. P. Moore
Engineer

From 8 A.M. to Meridn Clear and pleasant. Gentle breeze from N by W to N by W. At 8 dressed ship with masthead flags, English flag at main At 8.20 A.M. U.S. "Garnet" got underway and stood down the river. At 9.05 A.M. U.S. "Mallard" got underway and stood down the river. At 9.30 Flagship made gen sig 32 47 At 9.40 the Captain and Officers of General Court left the ship At 12. the Flagship, battery on shore and the "Garnet" fired a salute of 21 guns Bar steady 30.00

(Signed) C. F. Bruns
Midshipman

From Meridn to 4 P.M. Clear and pleasant with gentle breeze from N. to N by E. At 12.05 Italian gunboat got underway and stood up the river. Bar falling slowly. Sea smooth

(Signed) F. O. Dran
Boatswain

From 4 to 8 P.M. Cloudy and pleasant. Gentle breeze from N by W to N by E. Considerable sound from N and W. Hazy. Halo about the moon Obscured moonlight last two hours Bar steady 29.93

(Signed) C. F. Bruns
Midshipman

From 8 P.M. to Mid. Clear and cool. Gentle to moderate breeze from N by E Bar steady

(Signed) L. P. Jouett
Master

Moons Phase 2d qr. Dec. S. 17°

Examined and found to be correct.

(Signed) C. F. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NE	N by W	3		29 92	62	57	55		bg	Horiz	10	S	
2			"	"	3		29 91	61	57	55		"	"	10	"	
3			"	"	4		29 91	61	57	55		"	"	10	"	
4			"	"	4		29 90	61	56	54		"	"	10	"	
5			NE by E	"	4		29 90	60	56	55		bcy	Str	8	"	
6			NE	N N W	4		29 90	60	56	55		"	Cum Str	7	"	
7			E NE	N by W	5		29 90	60	56	55		"	"	5	"	
8			N by E	N by E	5		29 90	60	57	56		"	"	4	"	
9			N	N	5		29 91	64	58	56		"	"	4	"	
10			"	N by W	6		29 92	65	60	58		oc	"	7	"	
11			N by W	"	6		29 90	66	62	60		"	"	6	"	
Noon.			"	N N W	5		29 88	67	64	62		o	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N by W	N by W	5.6		29 87	68	65	64		oc	Cum Nimb	0	S	
2			"	"	5.6		29 87	68	65	64		"	"	0	"	
3			NE	N N W	5.6		29 85	68	64	64		"	"	0	"	
4			"	"	5.6		29 82	67	64	62		"	"	0	"	
5			"	"	6		29 80	67	62	62		odp	Nimb	0	"	
6			NE by E	N by W	4.5		29 79	67	61	60		"	"	0	"	
7			N	N W by N	3.		29 79	67	61	60		bcbl	Cum Str	3	"	
8			N by W	N by W	2.3		29 80	67	64	62		"	"	2	"	
9			N W	"	3.4		29 80	67	64	62		bcb	Cum Nimb	4	"	
10			"	"	3.4		29 80	67	64	62		"	"	2	"	
11			"	"	4.5		29 80	65	64	62		"	"	3	"	
Mid.			"	"	4.5		29 77	65	63	61		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. L. Schley, U. S. Navy,

Sunday June 29th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m Cloudless and cool Hazy. Light to moderate breeze from N by E. Smooth sea Bar falling

(Signed) S. C. Lemly
Ensign

From 4 to 8 A M Clear cool and pleasant. Cloudy last two hours Moderate to stiff breeze from N N E to N by E. At 7.30 Flagship made Dress Sig 3350

(Signed) C. L. Brune
Midshipman

From 8 A M to Merid Overcast and cloudy first part of watch latter part pleasant Fresh breeze from N to N N E. Recd on board in Bay Dept. 150 lbs fresh beef and 50 lbs vegetables for crew.

(Signed) F. A Dran.
Boatswain

From Merid to 4 P M Overcast but pleasant with stiff to fresh breeze from N by E and N N E. Smooth sea Bar falling. Sent starboard watch on shore on liberty for 48 hours. A German steamer came in

(Signed) S. C. Lemly
Ensign

From 4 to 8 P M Cloudy with moderate to fresh breeze from N N E to N by E. first two hours; light to gentle breeze from W by N to N by E last two hours of watch Passing showers of rain during first hour. Thunder and lightning last two hours. At 4.55 Flagship made gen sig 29.65 answered John W. Ardle (C & R) returned on board from hospital on shore.

Signed F. A Dran
Boatswain

From 8 P M to Mid Cloudy but pleasant with gentle to stiff breeze from N by E. Bar falling Lightning along horizon to S. W, S. & S E. Confined Daniel Shelly. (Ord) to the berth deck until sober. he being under the influence of liquor.

(Signed) S. C. Lemly
Ensign

Moons phase 2d qr Dec. S. 22°

Examined and found to be correct.

(Signed) C. F. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.	N.	6		29.76	66	63	61		bc lt.	Cum Nim	3	S	
2			"	"	6		29.75	66	62	62		clt.	Nimb	0	"	
3			"	N by E	6.7		29.73	66	62	61		c bg	.	0	"	
4			N N E	"	3		29.75	66	60	60		or lt.	"	0	"	
5			N N.	N N E	1.2		29.75	66	62	61		ocl lt	"	0	"	
6			N N E	"	2		29.74	66	62	62		"	"	0	"	
7			"	"	3		29.74	66	55	52		"	"	0	"	
8			"	"	4		29.88	62	57	52		oc	.	0	"	
9			"	N by E	4		29.94	62	53	51		oc r	.	0	"	
10			"	"	3.4		30.00	60	52	52		"	Cum	0	"	
11			"	"	3.4		30.00	62	52	52		"	"	0	"	
Noon.			"	"	3.4		30.00	62	53	52		"	"	0	"	

P. M.																
1			N. N. N.	N. N.	4		30.05	64	52	51		b cq.	Cum Nim	2	W	
2			N N	N. N by E.	3.4		30.03	62	52	51		"	"	3	"	
3			"	"	4		30.04	62	52	52		b c.	Cums	7	"	
4			N N N	N N.	2		30.07	63	54	52		"	"	9	"	
5			N.	"	3		30.09	63	54	52		"	"	7	S	
6			N. by E.	"	3		30.13	63	53	52		"	"	7	"	
7			"	"	3		30.12	63	53	53		"	"	7	"	
8			N. N by N.	"	4		30.14	63	53	51		"	Cir Cums	7	"	
9			N. N	"	6		30.20	65	52	50		"	"	8	"	
10			"	N. N by N.	4.6		30.20	67	51	50		b cq.	"	4	W	
11			"	"	6.7		30.22	65	50	50		"	Cums	8	"	
Mid.			N N by N.	"	6.7		30.24	63	48	47		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1650 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Monday June 30th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Overcast first three hours with thunder and lightning and fresh breeze from N. At 2.55 heavy squall from W by S. followed by heavy rain with intervals of light rain heavy thunder and very vivid lightning Gentle breeze from W by S. at end of watch Sea smooth Bar unsteady.

(Signed) C. B. T. Moore
Ensign

From 4 to 8 A M Cloudy and overcast with thunder, lightning and heavy rain first three hours. Light to moderate breeze from S. W. Smooth sea

(Signed) F. P. Jouett
Master

From 8 A M to Meridn Cloudy and overcast with light rain Moderate breeze from S. W by S. By order of Comdg Officer Danl. Shelby (Lds) was released from confinement and reconfined in solitary confinement on bread and water for being insubordinate while on duty by same authority J. W. Greene (Lds) was released from confinement. Sea smooth Bar steady 30.00

(Signed) F. A. Drane
Boatswain

From Meridn to 4 P M Overcast and cloudy first hour Partially clear next two hours. finishing the watch clear and pleasant. Moderate to light breeze from S. W and S. W by S. Sea smooth Bar rising Recd in Pay Dept 56 lbs fresh beef and vegetables

(Signed) H. H. Richardson
Carpenter

From 4 to 8 P M Clear and cool with gentle to moderate breeze from S. W. Smooth sea An English steamer (L & K.) went to sea.

(Signed) A. C. Lemly
Ensign

From 8 P M to Mids Clear and cool, with moderate to very fresh breeze from S. W to S. W by S blowing in squalls Bar rising Moderate sea.

(Signed) C. B. T. Moore
Ensign

Moons phase 2d qr Dec. S 20°

Examined and found to be correct.

(Signed) C. G. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. S.W.	S. by W.	6 7		30 25	58	47	46		bcg	Cum Str	8	S	
2			S.W by W.	"	6.7		30 25	58	46	46		"	"	6	"	
3			S. S.W.	"	4.6		30 26	58	47	46		ocg	"	0	"	
4			S. by W.	S.	4.7		30 27	58	47	46		"	Nimb	0	"	
5			"	"	3		30 28	57	47	45		bc	Cum Nimb	3	"	
6			S.	S. by E	3		30 29	57	47	45		"	Cir Cum	5	"	
7			S. S. E	S. S. E	3		30 30	57	47	45		"	"	6	"	
8			"	"	3		30 32	56	47	45		"	"	6	"	
9			S. E by S	S. E	3		30 35	60	47	47		"	"	5	"	
10			"	"	3		30 38	62	48	47		"	"	3	"	
11			S. E	S. E by E	4		30 38	60	48	48		"	"	3	"	
Noon.			"	"	3		30 38	63	49	48		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 800 "

Water remaining on hand fit for use at Noon 2100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S. E by E	E	2		30 36	62	50	49		S.C.	Cir Nimb	0	S	
2			S.	"	2		30 39	62	52	50		"	"	0	"	
3			"	E by S.	2		30 40	62	53	51		"	"	0	"	
4			S. E	E S. E	2		30 38	62	53	51		"	"	0	"	
5			E S. E	"	2		30 37	62	50	49		"	"	0	"	
6			E by S.	"	3		30 39	65	50	49		"	"	0	"	
7			"	E	3		30 39	65	50	48		b.c.	Cum	1	"	
8			"	E S. E	4		30 39	62	48	47		"	"	2	"	
9			E	E by S.	4		30 38	62	49	48		"	"	1	"	
10			E by S.	"	5		30 38	61	49	48		"	"	1	"	
11			"	"	5		30 38	61	49	48		"	"	2	"	
Mid.			N E	E	3		30 38	60	49	49		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Schley, U. S. Navy,

Tuesday July 1st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and pleasant overcast last two hours. Frequent moderate squalls Moderate to very fresh breeze from S. by W to S. At 1 let go stbd anchor veered to 15 fms on stbd and 75 fms on port chain Moderating towards last part of watch Bar rising 30.27

(Signed) C. L. Bruns
Midshipman

From 4 to 8 A M Cloudy first part clearing latter part of watch Gentle breeze from S. S by E and S. S.E. Smooth sea Hove up stbd anchor and unto 60 fms on port chain Bar rising

(Signed) A. C. Gemby
Ensign

From 8 A M to Merid Clear and pleasant. Gentle to moderate breeze from S. E. to S.E by E. At 9.13 made Sat sig. At 55 Flagship answered 9.4 Loosed sails. At 9.30 Flagship made gen sig 3247 Whale boats davits and davits sleeves and all other articles sent on shore for repairs June 17th were received on board Carpenters engaged in putting in davits sleeves. Bar steady Sea smooth

(Signed) H. H. Richardson
Carpenter

From Merid to 4 P M Overcast cool and pleasant Light breeze from E. & E.S.E. At 1 made Sat sig 4826 Hartford answered 9.4 Furled sail Liberty party returned Confined P. J. Duffy. (Sea) in double irons for being drunk and disorderly by order of Condg Officer Bar steady 30.38

(Signed) C. L. Bruns
Midshipman

From 4 to 8 P M Overcast and cloudy. Light to moderate breeze from E.S.E to E. At 4.35 Flagship made preps sig 6.46 and at 4.45 Signal of execution Sent down T. G. Mast At 4.55 Flagship made gen sig 2985 Bar unusually high Sea smooth (Signed) H. H. Richardson
Carpenter

From 8 P M to Mid Cloudy and pleasant Gentle to stiff breeze from E by S. to E. Obscured moonlight Bar steady 30.38

(Signed) C. L. Bruns
Midshipman

Moons phase 2d qr Dec. A. 26°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N W	N E by E	2.3		30 37	60	50	49		bc	Cir Cum	3	A	
2			W	"	2.3		30 36	59	50	49		"	"	4	"	
3			N	E N E	3		30 34	60	50	49		"	"	6	"	
4			E N E	"	3		30 32	58	50	49		"	"	6	"	
5			"	"	4		30 31	58	50	50		"	"	7	"	
6			"	"	5		30 30	58	51	51		"	"	8	"	
7			"	E by N	5		30 30	57	51	51		"	"	8	"	
8			E	"	5		30 30	56	51	51		"	"	8	"	
9			"	"	4.5		30 30	60	52	51		"	"	8	"	
10			E by N	"	4.5		30 30	63	54	52		"	"	8	"	
11			N by W	E N E	4.5		30 28	65	56	53		"	Cir Cum Strat	6	"	
Noon.			N N W	N N E	5.6		30 26	63	57	60		bcq	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed. during the preceding 24 hours 800 "

Water remaining on hand fit for use at Noon 26800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N E by N	N E by N	6		30 25	65	58	56		c.c.q.	Cum	0	NS	
2			N. N E	N N E	6		30 23	65	59	57		"	"	0	"	
3			N E by E	N E by N	6		30 22	65	58	57		"	"	0	"	
4			"	"	6		30 22	64	58	57		"	"	0	"	
5			N E by N	"	5		30 20	64	57	56		"	Cum Strat	0	"	
6			N E by E	"	5		30 20	65	57	56		"	"	0	"	
7			E N E	"	6		30 20	66	57	56		"	"	0	"	
8			N E by E	"	6		30 20	64	57	56		"	"	0	"	
9			"	"	4.6		30 20	65	56	58		c q p	Cum Nimb	0	A	
10			N N E	N N E	4.6		30 20	65	56	56		"	"	0	"	
11			N by E	"	4.6		30 23	64	56	56		"	"	0	"	
Mid.			N.	N by E	4.6		30 20	62	56	57		c. q.	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Schley, U. S. Navy,

Wednesday July 2d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cool Light to gentle breeze from NE by E to E N E. Bar steady Smooth sea Bright Moonlight.

(Signed) L. P. Jouett
Master

From 4 to 8 A M Clear and cool with moderate to stiff breeze from E N E & E by N. Bar steady Sea smooth Stopped distilling

(Signed) C. A. P. Moore
Ensign

From 8 A M to Meid Clear and pleasant first part. Then overcast and squally. Moderate to fresh breeze from E by N. to N N E. Hartford made the following signals. at 8.55 prep 60 69. at 9.03 gen 60 69 at 9.30 gen. 37 47 at 11.30 gen. 27 64 at 11.35 prep 60 78 at 11.40 gen 60 78. At 9.40 the Captain and officers of the General Court left the ship At 9.5 mustered and inspected at quarters Charley Harkenseee (Ls) John Riley (Sea) J. L. Brown (PM) were reported absent from the ship without permission. At 9.03 sent up T. G. masts T. G. & R yards. At 11.40 sent down Royal yards. At 11 A M Charley Harkenseee (Ls) returned on board. Recd in Pay Dept. 10 bbls pork. Bar falling. Fires banked under two boilers Av st pres 10 lbs.

(Signed) C. P. Bruns
Ridgeman

From Meid to 4 P M Overcast squally and cloudy with light passing showers. Fresh breeze from N by E to N E by N. Recd on board in Pay Dept. 151 lbs fresh beef and 15. lbs vegetables Bar falling slowly. Sea moderate

(Signed) T. G. Doran
Boatswain

From 4 to 8 P M Overcast and pleasant. Stiff to fresh breeze from N E by N occasional moderate squalls Obscured moonlight Moderate sea Fires banked in two boilers Av st pres. 10 lbs

(Signed) C. P. Bruns
Ridgeman

From 8 P M to Mid Cloudy and cool with passing showers of rain first three hours of watch Squally. Moderate to fresh breeze from N E by N. to N by E. Bar rising slowly. Smooth sea. Fires banked in two boilers Av. pres. 10 lbs.

(Signed) L. P. Jouett
Master

Noon Chase 2d qr Dec. S. 26°

Examined and found to be correct.

(Signed) R. H. Curtes
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N by W	N E by N	6.7		30 19	63	56	56		oc r	Cum Nimb	0	A	
2			N	"	6.7		30 18	63	55	55		"		0	"	
3			"	"	5		30 18	62	55	55		oc.	Cum	0	"	
4			"	"	5.6		30 18	62	56	56		"	"	0	"	
5			N	N N E	5		30 18	61	56	56		b.cg.	Cum Nimb	1	"	
6			N by E	N by E	6		30 18	60	56	56		"	"	2	"	
7			N E by E	N N E.	4		30 20	60	56	56		"	"	2	"	
8			N by E	N by E.	3		30 20	60	56	56		"	"	2	"	
9			E by N	N	2.3		30 20	62	56	56		"	"	2	"	
10			E N E	"	3		30 22	64	57	56		"	"	2	"	
11			N by E	"	2.3		30 22	66	60	58		b c	"	2	"	
Noon.			"	"	2.3		30 22	66	63	61		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S. W.	N by E	2		30 22	67	64	62		b.c.	Cum	5	A	
2			W.	W N W.	2		30 22	67	63	62		"	"	6	"	
3			"	"	1		30 22	66	66	65		"	"	7	"	
4			S. S. W	S.	3		30 22	65	60	61		"	Cir Cum	8	"	
5			E by S.	S. E	2.3		30 20	64	57	57		"	"	8	"	
6			"	"	2		30 20	65	56	56		b	Cir Nimb	8	"	
7			"	E	1.2		30 20	64	57	56		"	"	8	"	
8			"	"	1		30 20	64	58	58		"	"	8	"	
9			E.	N E	2		30 20	62	58	58		b.c.	Str	9	"	
10			"	N	2		30 20	63	58	58		"	"	9	"	
11			N. E	S	2		30 20	63	58	58		"	Cir Cum	9	"	
Mid.			N ½ W.	"	2		30 20	63	58	58		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at Sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander W. A. Ackley, U. S. Navy,

Thursday July 3d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Overcast and cloudy with rain first two hours. Obscured moonlight latter part of watch Moderate to very fresh breeze from N E by N. Smooth sea Bar steady. Fires banked in two boilers as at pres 10 lbs

(Signed) J. C. Lemly
Ensign

From 4 to 8 A M Cloudy and pleasant. Gentle to fresh breeze from N N E to N N W. Occasional light to moderate squalls. The Italian ship of war "Governolo" and an Italian gunboat came to anchor during the night in the offing. At 7.30 the gunboat got underway and anchored in the inner harbor At 7 30 "Hartford" made gen sig 33 50 Fires banked in two boilers As at pres. 10 lbs. Bar steady. 30.20

(Signed) C. F. Preuss
Midshipman

From 8 A M to Mid Clear and pleasant with gentle breeze from N. At 9 30 Flagship made gen sig 32 47 At 10. the Italian man of war "Governolo" came down the river and anchored in the harbor. F. Lo. Handley (os 2d) reported the expiration of his enlistment At 11.15 the Brazilian Iron clad "Seta de Septembro" came down the river and made fast to her moorings Bar steady.

(Signed) F. A. Drane
Boatswain

From Mid to 4 P M Clear and pleasant. Light breeze from N by E to N N E. first three hours At 1. made Int. sig 54 55 Flagship answered 90 4 Loosed sail At 6 30 Gentle breeze came up from S. At 330 made Int sig 44 26 Flagship made 90 4 Furled sail Flagship made gen sig 3689. At 2 10 J. L. Brown (P M) and John Riley (Seaman) returned on board Bar steady Seas smooth

(Signed) H. H. Richardson
Carpenter

From 4 to 8 P M Clear and pleasant. Light breeze first two hours from S. E. Light airs last two from E. Bar steady Seas smooth Lightning to S. & E.

(Signed) F. A. Drane
Boatswain

From 8 P M to Mid Clear and pleasant Light breeze from N E by N. Fires banked in two boilers As pres 10 lbs

(Signed) H. H. Richardson
Carpenter

Moons phase Full moon Dec. S. 23°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			A.	Eby E	3		30 20	62	57	56		bc	Cirro Cumul	7	S.	
2			A. A. A.	"	3		30 20	62	57	56		"	"	7	"	
3			"	E A. E	2		30 20	62	56	56		"	"	5	"	
4			"	"	2		30 20	62	56	56		"	"	4	"	
5			A. A. E	"	2		30 25	62	56	56		"	"	4	"	
6			A. E	"	2		30 26	62	55	54		"	"	3	"	
7			"	"	3		30 26	60	53	53		o.f.	Cirrus	3	"	
8			E A. E	"	4		30 26	60	54	54		"	"	3	"	
9			"	"	4		30 35	62	54	54		o.c.	"	3	W	
10			"	"	5		30 37	63	54	54		"	"	3	"	
11			"	"	5		30 38	63	53	53		o.c.r.	"	3	"	
Noon.			"	"	4		30 36	63	53	53		"	"	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2000 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			E by A.	N E	4		30 33	63	53	53		bcr	Cum Nimb	3	W	
2			E N E	E	4		30 30	66	55	54		oc	"	0	A.	
3			A. E	"	4		30 30	66	55	54		"	"	0	"	
4			A. E by E	E A. E	5		30 30	66	55	54		"	"	0	"	
5			A. E	E by A.	5		30 30	68	55	54		o.cj.	Nimb	0	W	
6			E by A.	"	4		30 30	67	54	54		ocr.	"	0	"	
7			"	"	4		30 32	66	54	54		oc	"	0	A.	
8			"	"	4		30 33	65	54	54		"	"	0	"	
9			"	"	5		30 33	65	54	54		"	Cum Nimb	0	"	
10			"	E	5		30 33	65	55	54		ocr	"	0	"	
11			E	E by N	3		30 33	65	55	54		oc	"	0	"	
Mid.			E by N.	"	3		30 33	65	55	54		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Friday July 4th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and pleasant with gentle breeze from N by E. shifting to E. S. E. and falling light Bar steady 30.20 Sea smooth Fires banked in two boilers at pres 10 lbs.

(Signed) C. P. T. Moore
Ensign

From 4 to 8 A M First two hours cloudy and pleasant. Second two overcast and foggy. Light to moderate breeze from E. S. E. At sunrise dressed ship with mast head flags in honor of Independence Day. At 7.30 Flagship made dress sig 3350 Fires banked in two boilers Ar pres 10 lbs.

(Signed) L. P. Jouett
Master.

From 8 A M to Meridn Overcast and cloudy all the watch rain last hour. Flagship and all other ships of war in the harbor half masted colors with the Brazilian Iron clad Seta de Septembro whose yards were cock billed. At 9.30 Flagship made gens sig 3247 John Riley (Sea) was placed in double irons for ten days for getting drunk on shore. J. H. Brown (P M) was given extra duty for one week by order of Comdg Officer. Port watch returned from liberty Flagship. Governors and battery on shore fired national salute each in honor of the day Moderate to strong breeze from E. S. E. Moderate sea Fires banked in two boilers Ar at pres 10 lbs.

(Signed) W. H. Richardson
Carpenter.

From Meridn to 4 P M Cloudy and damp Rainy first hour. Comdg Officer. Chief Engineer and Lieut Wurtz left the ship to attend the funeral of the late Comdg Officer of the Brazilian Iron clad "Seta de Septembro" Fires banked in two boilers pres 10 lbs.

Signed C. P. T. Moore
Ensign

From 4 to 8 P M. Overcast and damp Moderate to strong breeze from E by S. Fires banked in two boilers Ar pres 10 lbs. Bar rising Moderate sea.

(Signed) W. H. Richardson
Carpenter.

From 8 P M to Mid Overcast throughout passing showers about 10. Stiff to gentle breeze from E by S. to E by N. Fires banked in two boilers at pres 10 lbs Bar steady Sea smooth

Signed C. P. T. Moore
Ensign

Moons phase 3d qr. Dec. S. 20°

Examined and found to be correct.

(Signed) C. W. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N NNW W.	N by E	2		30 32	64	55	54		ocwz	Cum Nimb	0	S	
2			W N W.	"	2		30 30	64	56	54		"	"	0	"	
3			N NNW W	"	2		30 29	63	57	55		"	"	0	"	
4			N W.	"	2		30 29	62	57	56		"	"	0	"	
5			N	"	2		30 29	62	57	56		"	"	0	"	
6			"	"	2		30 29	62	57	56		ocq	"	0	"	
7			N N E	N N E	2.3		30 28	62	57	56		"	"	0	"	
8			"	"	2.3		30 26	64	57	56		"	"	0	"	
9			"	N by E	3		30 26	65	57	56		o,c,	"	0	"	
10			N E	N E	3		30 27	66	57	56		"	"	0	"	
11			"	"	4		30 26	66	58	58		"	"	0	"	
Noon.			"	"	4		30 24	65	58	58		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1700 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N	N N E	4		30 22	65	59	58		oc	Cum Nimb	0	S	
2			N W	"	4		30 20	65	60	60		"	fair Cum	0	"	
3			W N W.	"	4		30 15	63	60	59		bc	"	4	"	
4			W by W	N by E	3		30 15	63	62	60		"	"	8	"	
5			W	"	3		30 15	64	61	60		"	Cum	6	"	
6			"	"	3		30 14	64	61	60		"	"	6	"	
7			W by N	"	5		30 12	62	59	58		"	"	6	"	
8			W N W	N N E	5		30 10	62	59	58		"	"	7	"	
9			E N E	"	5		30 10	62	59	55		"	Cum Nimb	4	"	
10			N E by E	"	5		30 10	62	58	57		ocq	"	0	"	
11			"	"	6		30 10	62	57	56		"	"	0	"	
Mid.			E N E	"	6		30 10	62	57	56		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Saturday July. 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Overcast and hazy Heavy dew. Light breeze from N by E. Bar falling 30.29 Fires banked in two boilers Ac pres 10 lbs
(Signed) C. L. Bruns
Midshipman

From 4 to 8 AM Overcast and cloudy. with a light breeze from N N E. Fires banked under two boilers Ac at pres 10 lbs. Bar falling slowly. Sea smooth
(Signed) F. A. Dran
Boatswain

From 8 AM to Mid. Overcast. Gentle to moderate breeze from N by E to N E. At 9.30 Flagship made gen sig 3247 Bar slowly falling Sea smooth
(Signed) W. H. Richardson
Carpenter

From Mid to 4 PM Overcast first part then clear and pleasant. Moderate to gentle breeze from N N E to N by E. At 3.30 boat race took place between the fore and main top boys in the 1st 2 cutter respectively, latter winning Bar falling 30.15 Fires banked in two boilers Ac at pres 10 lbs
(Signed) C. L. Bruns
Midshipman

From 4 to 8 PM Clear and pleasant with gentle breeze from N by E and stiff breeze from N by E to N N E Bar falling Sea smooth Fires banked in two boilers pres 6 lbs.
(Signed) C. P. T. Moore
Ensign

From 8 PM to Mid Partially overcast first hour overcast and equally during last three hours. Stiff to fresh breeze from N N E Light to moderate squalls Obscured moonlight Bar steady Fires banked under two boilers Ac at pres. 10 lbs.
(Signed) C. L. Bruns
Midshipman

Moons phase 3d gr. Dec N. 15°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES, Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.E.	N.N.E.	5		30 10	61	57	56		⊘	Cir. Nimb	0	S	
2			N N E	"	4		30 09	61	57	56		"	"	0	"	
3			N by E	"	4		30 08	61	57	56		bc	"	2	"	
4			N	"	5		30 05	61	57	56		"	"	3	"	
5			"	N by E	4		30 05	61	57	57		"	"	2	"	
6			N by W.	N	4		30 05	61	57	57		"	"	3	"	
7			N N W.	N by W	4		30 02	61	56	55		"	"	4	"	
8			N by W	"	4		30 02	61	56	55		"	"	3	"	
9			N N E	"	4		30 02	60	58	56		bcg	Cir. Cum. Str. Nimb	2	"	
10			N E	"	5		30 02	60	59	58		"	"	2	"	
11			"	"	5		30 00	61	60	60		"	"	2	"	
Noon.			E N E	"	5		29 99	61	61	60		"	"	2	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1400 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			E by N	N	3		29 95	62	62	60		bcg	Cum	2	S	
2			E N E	"	3		29 94	63	63	62		"	"	2	"	
3			N E	"	3		29 92	63	63	62		"	"	2	"	
4			"	"	3		29 92	63	62	62		"	"	2	"	
5			N	N N W	3		29 90	63	62	61		ocg	Cum Nim Str	0	"	
6			"	N W by W	2		29 89	63	62	61		"	"	0	"	
7			N W by W	"	2		29 88	65	60	60		"	"	0	"	
8			N N W	N N W	2		29 88	65	60	60		"	"	0	"	
9			N	"	2		29 88	65	60	60		oc	Cum Nimb	0	"	
10			"	"	3		29 88	65	60	58		"	"	0	"	
11			N by E	"	3		29 88	65	60	58		o	"	0	"	
Mid.			N N E	"	2		29 85	65	60	58		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander N. L. Ackley. , U. S. Navy,

Sunday July 6th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Cloudy and pleasant Moderate to stiff breeze from N N E. Smooth sea Bar falling slowly. Fires banked in two boilers Ab st pres 10 lbs (Signed) L. P. Jouett Master.

From 4 to 8 P M Cloudy and pleasant with moderate breeze from N by E to N by W. Bar falling slowly Sea smooth Fires banked in two boilers Ab pres 10 lbs At 7.30 Flagship made gen sig 3247 Answered (Signed) D. D. Moore Ensign

From 8 P M to Merid. Cloudy and pleasant Moderat to stiff breeze from N by W. Occasional light squalls At 10 the Captain inspected ship and crew at quarters At 10.15 called all hands to muster and the Captain read prayers The articles for the better government of the navy were read and the crew mustered Michael Mangan (O.S.) and Jas McCarthy (C.F.) were reported absent from the ship without permission By order of Comdg Officer P. J. Duffy (Sea) was released from confinement Recd in Pay Dept 1½ lbs fresh beef and 1½ lbs vegetables Fires banked in two boilers Ab st pres. 10 lbs. Bar falling 29.99 (Signed) C. L. Bruns Act Ship'man

From Merid to 4 P M Cloudy and pleasant. Gentle to moderate breeze from N. Cum. clouds Bar falling Sea smooth Sent liberty party on shore Steam pres. 10 lbs. Fires banked under two boilers (Signed) T. A. Dran Boatswain

From 4 to 8 P M Overcast hazy and pleasant Gentle to light breeze from N N W to N W by W. At 4.55 Flagship made gen sig 2985 At 5 Michael Mangan (O.S.) came on board At 6.30 James McCarthy (C.F.) came on board Bar steady 29.81. (Signed) C. L. Bruns Act Ship'man

From 8 P M to Mid. Cloudy and overcast with rain last two hours of watch Light to gentle breeze from N W. Fires banked in two boilers Ab pres 10 lbs. (Signed) L. P. Jouett Master

Moons phase 3d qr. Dec. A. 18°

Examined and found to be correct.

(Signed) C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES "Steamer Essex" 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N E	N by E	3		29 85	63	57	57		ooc	Nimb	0	S	
2			N by W	N by W	3		29 83	63	57	57		"	"	0	"	
3			"	"	3		29 83	63	57	57		"	"	0	"	
4			N W	"	3		29 81	63	57	57		"	"	0	"	
5			N N W	N W	4		29 81	63	57	57		"	"	0	"	
6			N W by W	W N W	6		29 81	63	57	57		ooqd	"	0	"	
7			W	W	5		29 81	63	55	54		ood	"	0	"	
8			W S W	S W by W	6		29 83	62	54	54		oodq	"	0	W	
9			S W by W	S W	4.5		29 83	62	53	54		"	"	0	S	
10				"	3.4		29 85	63	53	53		"	"	0	"	
11			S W	"	3.4		29 88	64	52	52		"	"	0	"	
Noon.			"	"	3.4		29 90	65	52	52		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	200	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1200	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.															
1			S W	S W by W	4		29 90	65	52	52		oc pd	Nimb	0	S
2			"	"	4		29 90	65	52	52		bo pd	"	2	"
3			"	S W	4		29 90	67	52	51		"	"	3	"
4			S W by W	"	4		29 90	68	51	50		"	"	3	"
5			W S W	S W by W	4		29 92	70	52	51		o.c.	"	3	"
6			"	"	3		29 93	70	52	51		"	"	3	"
7			W by S	"	3		29 93	68	52	51		bc	"	5	"
8			"	W S W	3		29 95	66	52	51		"	"	5	"
9			W S W	S W	3		29 95	66	52	51		"	Cum & Nimb	3	"
10			S W by W	"	3		29 98	65	53	52		oc	"	0	"
11			S by E	"	2		29 98	65	53	52		"	"	0	"
Mid.			"	"	2		29 98	65	53	53		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. S. Schley, U. S. Navy,

Monday July 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M) Overcast and cloudy with passing showers of rain Gentle breeze from N by W. Smooth sea Bar falling Fires banked in two boilers As at pres. 10 lbs (Signed) A. S. Lemly Ensign

From 4 to 8 A M) Overcast and disagreeable Moderate to fresh breeze from NW. to S W by W. Drizzling rain Frequent moderate squalls during 2d & 4th hours. At 7 Pacific mail steamer came in and anchored At 7 30 Flagship made dress sig 3350 Smooth to moderate sea Bar steady 29.83. (Signed) C. L. Bruns Midshipman

From 8 A M to Merid Overcast and rainy Gentle to moderate breeze from S. W. At 915 mustered crew at quarters the foollowing men were reported absent without permission Geo R. Nelson (Mach) G. H. Kahn (os 2d cl) Wm Hardie (os) W H. Hosmer (Lds) John Hashagan (os) and Lawrence Nelson (Ord. boy) At 925 Flagship made gen sig 3247 Answered Bar rising Sea smooth (Signed) F. A Dean Boatswain

From Merid to 4 P M. Overcast and cloudy. with passing showers of drizzling rain Moderate breeze from N W by W and S. W. Smooth sea At 3 Officers attached to General Court Martial returned on board G. H. Kahn (os 2d cl) John Hashagan (os) Wm Hardie (os) W H Hosmer (Lds) and Lawrence Nelson (Ord boy) returned on board Bar steady at 29 90 Fires banked in two boilers Distilling (Signed) S. C. Lemly Ensign

From 4 to 8 P M. Overcast and pleasant. Gentle breeze from S. W by W. to W. S. W. Bar rising slowly. Sea smooth At 445 Flagship made prep sig 6 1 4 6 and shortly after annulled it At 450 Flagship made 6 1 4 3. Answered Sent down T. G. yards. (Signed) F. A. Dean Boatswain

From 8 P M to Mid Cloudy and cool with gentle to light breeze from S. W. Smooth sea Fires banked in two boilers As at pres 15 lbs. Distilling (Signed) S. C. Lemly. Ensign

Moons phase 3d qr. Dec S. 4°

Examined and found to be correct. (Signed) C. K. S. Curtis Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex" 5th Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.	S. W.	3		29 99	64	54	52		oc	Cum Nimb	0	S.	
2			S. S W.	"	3		30 00	62	54	52		"	"	0	"	
3			"	W. S. W.	2		30 00	62	52	50		"	"	0	"	
4			S. W.	"	3		30 00	61	52	50		"	"	0	"	
5			"	"	3		30 00	61	52	50		bc	"	3	"	
6			"	S. W.	3		30 00	61	52	51		"	"	3	"	
7			W. S. W.	"	3		30 00	61	52	50		"	"	4	"	
8			"	S. S. W.	2		30 01	61	52	52		"	"	2	"	
9			W by S.	"	3		30 02	64	53	52		"	Cum Str	4	"	
10			"	S. W by S.	3		30 07	66	53	52		"	Cir + Cum	4	"	
11			"	"	3		30 08	67	54	53		"	"	4	"	
Noon.			S. S W.	S. W.	2		30 08	67	54	53		"	"	4	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	300	gallons.
Water Condensed during the preceding 24 hours	1000	"
Water remaining on hand fit for use at Noon	2100	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1			S.	S. W.	2		30 08	65	54	53		bc	Cums	6	S.	
2			S. E.	"	1		30 08	65	54	53		"	"	8	"	
3			S. by E.	"	2		30 05	65	52	53		"	"	9	"	
4			"	"	2		30 07	65	55	54		"	"	9	"	
5			W by N.	West.	2		30 08	64	55	54		"	"	9	"	
6			"	"	2		30 08	64	54	52		"	"	9	"	
7			W. S. W.	"	1		30 09	65	54	52		"	"	9	"	
8			"	"	1		30 09	65	52	52		"	"	9	"	
9			"	W. N. W.	2		30 09	65	52	52		bc	Haze	10	"	
10			"	"	2		30 09	65	52	52		"	"	10	"	
11			"	"	2		30 09	65	52	52		"	"	10	"	
Mid.			E by N.	N. N. W.	2		30 09	65	51	50		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander W. A. Schley, U. S. Navy,

Tuesday July 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Cloudy and cool Gentle to light breeze from S.W.+ W. & S.W. Bar steady Sea smooth

(Signed) L. P. Jouett
Master

From 4 to 8 A M Cloudy and Pleasant with gentle to light breeze from W. & S.W. to S. & S.W. Bar steady Sea smooth At 730 Flagship made gen sig 3350 Fires banked in two boilers Av st pres 20 lbs. Distilling

Signed L. T. T. Moore
Ensign

From 8 A M to Merid Partially cloudy Pleasant Gentle to light breeze hauling from S. & S.W. & S.W. Smooth sea Bar rising Rec'd Wilcox (Mach) returned on board At 845 Flagship made pen 6069 and at 850, 6069 Answered and crossed light yards At 900 made Sent. 5455 Flagship answered and made 9 Got Loosed sails At 930 Flagship made 3247 Answered At 10 officers of General Court martial left the Ship Fires banked in two boilers At pres 20 lbs. Distilling Gr. English steamer (L. & N.) came in

Signed A. G. Lemly
Ensign

From Merid to 4 PM Clear and warm Light breeze from S. W. with smooth sea At 310 Flagship made gen sig 4826 Furled sails At 330 Flagship made gen sig 2984 Fires banked in two boilers Distilling Av st pres. 25 lbs. Daniel Shelly (Ldr) was confined in double irons Bar unsteady

(Signed) J. W. Richardson
Carpenter

From 4 to 8 PM Clear and pleasant Light breeze & light airs from W. Smooth sea Bar rising slowly. At 425 Flagship made pen & sig 6068 and at 430 6068. Sent down light yards At 505 Flagship made 2985 By order of Comdg Officer Daniel Shelly (Ldr.) was released from confinement An English steamer (L & N.) went to sea Fires banked in two boilers Av st pres 25 lbs. Distilling

Signed A. G. Lemly
Ensign

From 8 PM to Mid Clear and cool with light breeze from W. & W. to W. & W. Bar steady Sea smooth Fires banked in two boilers Av pres 20 lbs. Distilling

Signed L. T. T. Moore
Ensign

Moon's phase 1st 3d gr Dec. N 1°

Examined and found to be correct.

(Signed) R. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E by S.	S. S W	2		30 09	60	52	51		bc	Stratus	10	S	
2			E	"	2		30 09	59	52	51		"	"	10	"	
3			E by S.	"	2		30 07	57	51	50		"	"	10	"	
4			E	"	2		30 07	57	51	50		"	"	10	"	
5			"	S by W	2		30 07	57	47	47		"	"	10	"	
6			S W	"	3		30 09	56	46	46		"	"	10	"	
7			"	"	2		30 07	56	46	46		bz	"	10	"	
8			"	"	2		30 09	56	46	46		"	"	10	"	
9			"	"	2		30 12	60	46	46		b	"	10	"	
10			S W by S	"	2		30 15	63	50	50		"	"	10	"	
11			S S W	"	2		30 15	63	54	52		"	"	10	"	
Noon.			S W	S W	1		30 15	63	57	56		bc	Cu	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 800 "

Water remaining on hand fit for use at Noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			W.	W.	1		30 10	62	58	56		bc	Cu Str	8	S	
2			S. W.	Calm	0		30 07	62	58	57		"	"	8	"	
3			S.	"	0		30 06	63	58	56		"	"	8	"	
4			S. S E	"	0		30 07	63	58	56		"	"	8	"	
5			E S E	E. S. E	1		30 07	63	56	56		bcz	"	7	"	
6			S E	"	1		30 07	63	54	53		"	"	8	"	
7			S. W	Calm	0		30 07	65	55	54		bc	Str	9	"	
8			W by S.	N E	2		30 08	65	54	54		"	"	9	"	
9			N W. by N	N by W	1		30 08	65	52	54		"	Cu Str	9	"	
10			N N W	N N W	1		30 08	64	52	54		"	"	8	"	
11			"	"	1		30 09	64	53	52		"	"	7	"	
Mid.			N W by N	"	1		30 09	63	53	52		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, , U. S. Navy,

Wednesday July 9th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear cool and pleasant. Light breeze from N N W. Heavy dew Bright moonlight Fires banked in two boilers Ar pres 25 lbs. Distilling Bar falling 30.07

Signed C. L. Brynes
Midshipman

From 4 to 8 A M Cloudless and cool Heavy dew first half hazy latter half of watch. Light to gentle breeze from N by W. Smooth sea At 730 Flagship made divers sig 3350 A French steamer came in Fires banked in two boilers At pres 25 lbs. Distiller in operation

Signed A. C. Lemly
Ensign

From 8 A M to Meridn Clear and pleasant Light breeze to light airs from N by W to N W. At 915 mustered and inspected at quarters At 930 Flagship made gen sig 3247 At 940 made Dist sig 4399 Flagship answered and made 904 Exercised at bending unbending and making sail. Flagship exercised with sails light yards and T. G. masts At noon a salute of 21 guns was fired by the battery on shore Argentine flag at the staff Fires banked in two boilers Ar At pres 25 lbs Distilling Bar steady Sea smooth

Signed W. H. Richardson
Carpenter

From Merid to 4 P M Clear and pleasant Light airs first hour from N. then calm during remainder of watch Bar falling 30.07 Fires banked in two boilers Ar At pres 25 lbs Distilling

Signed C. L. Brynes
Midshipman

From 4 to 8 P M Clear and pleasant with light haze S to S W & S E Light airs to light breeze from S. E & to N & E. At 430 Flagship made prep sig 6069 and at 435 gen sig 6069 Sent up light yards English gunboat "Elk" left the harbor Recd on board in Pay Dept 52 lbs each of fresh beef and vegetables Jr. Gillespie (B. A. S.) for getting drunk on duty was placed in solitary confinement on bread and water by order of Comdg Officer Fires banked in two boilers At pres. 25 lbs. Distilling Bar steady first part. rising latter part

Signed W. H. Richardson
Carpenter

From 8 P M to Merid Clear and pleasant Light airs from N N W to N by W. Bar steady Fires banked in two boilers Ar pres 25 lbs. Distilling Bar steady 30.09

Signed C. L. Brynes
Midshipman

Moons Chase In 3d qr. Decl N. 6°

Examined and found to be correct.

Signed S. F. Carter
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NE	NNW	3		30 09	63	52	52		bc	Cir Cm	2	A	
2			ENE	"	3		30 09	63	52	52		"	"	3	"	
3			"	"	2		30 09	63	52	52		"	"	3	"	
4			"	"	2		30 09	63	52	52		"	"	3	"	
5			NE	N	3		30 06	60	51	50		"	Cir Str	8	"	
6			"	"	2		30 04	59	49	48		"	"	9	"	
7			N by W	"	2		30 04	59	48	41		"	"	8	"	
8			"	"	2		30 04	59	48	48		"	"	8	"	
9			NNW	NNW	2		30 05	62	50	49		bc	"	8	"	
10			"	NW by W	2		30 05	63	53	51		"	"	8	"	
11			NW by N	"	2		30 05	63	56	54		"	"	8	"	
Noon.			NW	"	2		30 03	62	59	57		"	"	8	"	

P. M.																
1			ENE	N	3		29 98	62	61	59		bc	Cm Str	9	A	
2			E by N	"	3		29 96	62	61	59		"	"	8	"	
3			ENE	"	3		29 92	61	60	58		"	"	7	"	
4			E by N	"	3		29 93	62	58	57		"	"	6	"	
5			E	"	2		29 93	62	57	56		bc	"	6	"	
6			NE	NNE	2		29 94	66	55	54		"	"	6	"	
7			"	"	2		29 96	64	55	54		"	"	6	"	
8			N	"	2		29 96	62	55	54		"	"	6	"	
9			N by W	"	3		29 96	63	53	51		"	Cir Cm	4	"	
10			N	"	4		29 96	63	52	51		"	"	3	"	
11			N by E	"	4		29 96	63	52	51		"	"	5	"	
Mid.			"	"	5		29 96	63	52	51		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 400 gallons.

Water ~~Condensed~~ during the preceding 24 hours — 400 "

Water remaining on hand fit for use at Noon — 2500 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. J. Schley, U. S. Navy,

Thursday July 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM Clear and cool Light to moderate breeze from N N W Bar steady Sea smooth Stopped distiller at 3. Fires banked in two boilers At pres 10 lbs
(Signed) L L P. Jouett
Master

From 4 to 8 AM Clear and cool with light breeze from N. Bar falling slowly Sea smooth Fires banked in two boilers Av pres 20 lbs
Signed D. L. Moore
Ensign

From 8 AM to Merid Clear and pleasant Light breze from N N W to N W by N. At 9 N W & W Away got underway and stood up the river. At 915 inspected at quarters At 930 "Hartford" made gen sig 3247 At 940 made Int sig 396 Hartford answered 904 The Captain and officers of General Court left the ship at 945 Exercised P. & R. yards and P. masts Time of sending down yards & masts 3m 30sec Sent up masts and crossed yards in 5m 20s At 11 Brazilian iron clad "Seta de Septembro" hoisted Brazilian Ensign at the main, manned yards and cheered ships. A German Iron clad stood in from S. & E. and anchored in the outer roads Bar 30.03 Hazy about horizon Fires banked in two boilers At pres 8 lbs.
Signed L L Bruce
Midshipman

From Merid to 4 PM Cloudy but pleasant with light breeze from N. At 12 German iron clad fired a salute of 21 guns Roughly and flag at the fore At 330 "Hartford" fired a salute of 13 guns with German flag at the fore. At pres 15 lbs. Fires banked in two boilers
(Signed) T. R. Doran
Boatswain

From 4 to 8 PM Clear and pleasant Light breeze from N to N N E. Hartford made the following signals at 445 pres 6068 At 455 gen 6068 At 5 gen 2985 At 445 sent down P. & Royal yards. Fires banked in two boilers Av pres 11 lbs. Bar steady 29.96
Signed L L Bruce
Midshipman

From 8 PM to Mid Clear and cold Gentle to stiff breeze from N N E Bar steady Sea smooth Fires banked in two boilers Av pres 10 lbs.
Signed L P. Jouett
Master

Moons phase At Last qr. Decl N 11°

Examined and found to be correct.
Signed C K Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNE	NbyE	3.5		29 91	60	51	50		bcyb	Com Nimb	5	S	
2			"	"	3.5		29 88	59	51	50		"	"	5	"	
3			ENE	"	3.5		29 85	59	51	50		"	"	5	"	
4			"	"	3.5		29 85	60	52	51		"	"	5	"	
5			N	NNE	3		29 84	60	52	52		bc,bt	"	3	"	
6			NNW	SW	3		29 84	59	54	52		oc,btr	"	0	"	
7			NW	"	2		29 84	59	52	51		"	"	0	"	
8			S	Calm	0		29 87	60	54	51		oc	"	0	"	
9			WNW	"	0		29 90	63	54	52		oc	"	0	"	
10			W by S	W by S	3		29 91	63	54	52		"	"	3	"	
11			SW by W	SSW	3		29 92	64	53	52		"	"	3	"	
Noon.			"	"	3		29 92	64	53	52		"	"	3	"	

P. M.																
1			SW by W	SSW	3		29 92	64	56	53		oc	Com Nimb	0	S	
2			"	"	2		29 90	65	55	53		"	"	0	"	
3			SSE	W by S	2		29 92	65	55	53		"	"	0	"	
4			"	"	2		29 92	65	55	54		bc	"	2	"	
5			WSW	"	2		29 92	65	55	54		oc	"	2	"	
6			W	"	2		29 92	66	55	54		"	"	4	"	
7			"	W	2		29 92	66	54	54		bc	"	6	"	
8			W by S	"	2		29 95	65	54	54		"	"	8	"	
9			W	"	2		29 97	64	54	52		"	Com	9	"	
10			"	"	2		29 97	64	54	52		"	"	9	"	
11			"	W by N	2		29 97	63	53	52		"	"	9	"	
Mid.			"	"	2		29 97	63	53	52		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. L. Schley, U. S. Navy,

Friday July 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Partially cloudy cool Hazy. Gentle to stiff breeze from N by E. Smooth sea Bar falling slowly Fires banked in two boilers Lightning to S. W.d (Signed) L. C. Lemly Ensign

From 4 to 8 A M Overcast wet and disagreeable Lightning and thunder during first three hours Gentle breeze from N N E to S. W. Calm last hour At 5.30 wind suddenly shifted to S. W. and commenced raining Lampert & Holts steamer came in from S.d & E.d and anchored At 7.30 "Hartford" made gen sig 3350. Fires banked under two boilers As pres 10 lbs. Bar steady 29.87 Signed L. C. Irene Mdshipman

From 8 A M to Merid Clear and pleasant with passing clouds. At 9.35 Flagship made gen sig 3247 At 10.05 Flagship made prep sig 3459 and at 10.10 made gen sig 3459 Answered and sent up T. G. yards and hoisted said At 9.35 followed motions of flagship in half masting colors Harry Hill (os) reported his term of service as having expired P. L. Handly (os 2d) and Michael Hogan (sea) were confined in double irons for gambling by order of Comdg Officer At 10.30 followed motions of flagship in hoisting colors to peak 18 lbs of steam Fires banked in two boilers Bar steady Seas smooth (Signed) T. A. Doran Boatswain

From Merid to 4 P M Clear and cool Gentle to light breezes from S. S. W. & W. by S. Smooth sea Bar unsettled At 12.05 Hartford made prep sig 4826 and at 1. 4826 Furled sails At 3.17 Hartford made prep 6143 and at 3.25 gen 6143 sent down light yards Comdr of German iron clad "Hansea" called officially on Comdg officer A German and a French steamer came in and anchored Fires banked in two boilers As At pres 10 lbs. (Signed) L. C. Lemly Ensign

From 4 to 8 P M Overcast and cloudy the first part of watch Clear and cool the latter part with gentle breeze from W by S. to W. S. W. pres. 10 lbs. Fires banked in two boilers Bar 29.85 Seas smooth (Signed) T. A. Doran Boatswain

From 8 P M to Mid Clear and cool Light breeze from W. & W by S. Smooth sea Bar steady 29.97 Fires banked in two boilers At pres 10 lbs. (Signed) L. C. Lemly Ensign

Moons Phase Last qr Dec 1. 18.

Examined and found to be correct.

(Signed) C. H. C. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W. S. W	W by S.	4		29 97	63	53	52		b	None	10	S	
2			"	W S. W	4		29 97	62	53	52		"	"	10	"	
3			"	S. W	4		29 97	62	53	52		"	"	10	"	
4			"	S W by S.	4		29 97	62	53	52		"	"	10	"	
5			W.	"	3		29 97	61	53	52		"	"	10	"	
6			"	"	2		29 97	60	53	52		"	"	10	"	
7			"	W S. W.	2		29 97	60	53	52		"	"	10	"	
8			"	"	2		29 97	60	53	52		"	"	10	"	
9			W S. W	W by S.	2		29 99	63	53	52		bc	Str	9	"	
10			"	"	2		30 00	62	54	51		"	"	9	"	
11			W.	"	2		30 00	62	55	52		"	"	9	"	
Noon.			W by N	"	3		30 00	62	56	54		"	"	9	"	

P. M.																
1			W by S.	W	1		29 96	63	57	54		bc	Str	9	S	
2			W	N N W	2		29 95	63	57	56		"	Cum Str	9	"	
3			N N W	"	2		29 93	63	61	58		"	Str	9	"	
4			N W	"	2		29 92	63	62	60		"	"	9	"	
5			W by N	N E by E	2		29 92	62	60	58		b	None	10	"	
6			"	"	2		29 92	62	58	58		"	"	10	"	
7			"	N E by N	2		29 91	61	55	56		"	"	10	"	
8			"	N N E	2		29 90	60	54	54		"	"	10	"	
9			W	N by E	4		29 88	60	52	52		"	"	10	"	
10			N W	N N W	5		29 86	60	54	52		bz	"	10	"	
11			N N W	"	5		29 84	59	54	52		"	"	10	"	
Mid.			"	"	5		29 84	58	53	51		"	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1900 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander N. L. Schley, U. S. Navy,

Saturday July 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cool with moderate breeze from N by E to E. by E. Bar steady Sea smooth Fires banked in two boilers As at pres 5 lbs.
(Signed) C. D. F. Moore
Ensign

From 4 to 8 A M Clear and pleasant Light to gentle breeze from E. N E by E. to N. E. N. Bar steady Sea smooth
(Signed) L. P. Jodett
Master

From 8 A M to Merid Clear and pleasant with light to gentle breeze from N by E. Smooth sea Bar steady At 850 Flagship made prep 5459 and at 855 5459 Loosed sails and crossed light yards At 9 Flagship made prep sig 1017 and at 925 3247 At meridan German iron clad fired a salute of 21 guns Uruguayan flag at fore Fires banked in two boilers As at pres 10 lbs. At 940 Officers of General Court Martial left the ship
(Signed) L. P. Lemly
Ensign

From Merid to 4 P M. Clear and pleasant with light breeze from N to N N E At 235 Flagship made gen sig 2240 At 245 Flagship made gen sig 2984. At 300 Flagship made prep 4826 and at 310 made signals of execution Furled sails Lieut. A. Talbot on behalf of Comdg Officer paid an official visit to German Corvette "Nanesa" John Riley (sea) and James Gillespie (sea) were relieved from confinement by order of Comdg Officer Fires banked in two boilers Bar falling Sea smooth
(Signed) A. J. Richardson
Carpenter

From 4 to 8 P M Clear and pleasant Light breeze from N N E. Bar steady Fires banked in two boilers At pres 10 lbs. A French steamer went to sea.
(Signed) L. P. Lemly
Ensign

From 8 P M to Mid Clear cool and damp Moderate to stiff breeze from N by E to N N E Bar falling Sea smooth Fires banked in two boilers As pres. 5 lbs.
(Signed) C. D. F. Moore
Ensign

Moon phase 1st Last qr. Dec N. 24°

Examined and found to be correct.

(Signed) R. W. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NbyW	NNW	2.4		29 87	58	51	50		bc	Str	9	S	
2			"	"	2.4		29 87	58	51	50		"	"	9	"	
3			N	"	2.4		29 87	58	50	50		"	"	9	"	
4			NbyE	"	2.4		29 87	58	50	50		"	"	9	"	
5			NNE	"	3.4		29 90	58	50	50		"	com Str	9	"	
6			"	"	3.4		29 91	58	50	48		"	"	8	"	
7			"	"	3.4		29 92	58	49	48		"	fair com	6	"	
8			NW	"	3.4		29 92	59	49	48		"	"	8	"	
9			NWbyW	"	3		29 95	58	51	50		"	"	6	"	
10			WNW	"	3		29 95	58	53	52		"	"	7	"	
11			NW	NWbyW	3		29 95	58	56	55		"	"	7	"	
Noon.			"	NW	3		29 95	60	59	58		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 16000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			NNW	N.	3		29 93	64	62	60		bcz	clr com	7	S	
2			N	NW	2		29 91	64	63	61		"	"	3	"	
3			NE	"	2		29 90	64	61	60		"	"	4	"	
4			E	NNW	2		29 90	63	60	58		"	"	4	"	
5			"	"	2		29 88	63	58	57		"	"	5	"	
6			EbyS	calm	0		29 87	64	58	57		"	"	3	"	
7			SE	"	0		29 87	64	58	57		"	"	3	"	
8			SEbyS	"	0		29 87	64	58	57		"	"	3	"	
9			NW	NNW	2		29 86	64	57	56		"	com Str	4	"	
10			N	NNE	4		29 80	64	56	55		bczg	"	4	"	
11			"	"	5		29 80	64	56	55		"	"	8	"	
Mid.			NbyW	"	6		29 78	64	56	55		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Sunday July 13th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear cool and pleasant. Light to moderate breeze from N N W. Fires banked in two boilers As at pres 15 lbs.
(Signed) C. L. Brune
Midshipman

From 4 to 8 A M. Clear and cool Gentle to moderate breeze from N N W. Smooth sea Bar rising slowly. At 7.30 Flagship made gen sig 33.5 Fires banked in two boilers As at pres 15 lbs
(Signed) A. B. Lemly
Ensign

From 8 A M to Meridn Clear and pleasant with gentle breeze from N N W to N W by W. hauling again to N W at end of watch. At 9.35 Comdg Officer inspected ship and crew at quarters Michael Leary and Wm H. Rich (Lds) were absent without leave Wm H. Rich (Lds) returned on board at 10.45 Bar steady at 29.95 Sea smooth Fires banked in two boilers As pres 10 lbs German iron clad "Kansas" went to sea Recd fresh provisions for crew
(Signed) C. B. T. Moore
Ensign

From Meridn to 4 P M. Cloudy hazy and pleasant Light to gentle breeze from W to N W W. Sent visiting party to "Hartford" and special liberty party on shore. Fires banked in two boilers As pres 15 lbs Bar falling 29.90
(Signed) C. L. Brune
Midshipman

From 4 to 8 P M. Partially overcast and pleasant Light breeze from N N W. and calms Bar steady Sea smooth. Fires banked in two boilers As pres 5 lbs.
(Signed) C. B. T. Moore
Ensign

From 8 P M to Midt Cloudy and pleasant. Light breeze from N N W. to N N E frequent light to moderate squalls Hazy. Fires banked in two boilers As pres 10 lbs. Bar falling 29.78
(Signed) C. L. Brune
Midshipman

Moons phase Last qr Dec N 22°

Examined and found to be correct.
(Signed) C. H. C. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N	N	4,6		29	71	61	57	55	bcq	Ci Cums	3	S	
2			N by W	"	4,6		29	71	60	57	55	"	"	4	"	
3			N	"	4,6		29	70	60	57	55	bcq b	"	7	"	
4			N by E	"	5.7		29	67	60	56	54	"	"	3	"	
5			"	"	5,6		29	65	60	56	54	"	Ci Nimb	5	"	
6			"	"	5.6		29	65	61	56	54	bcq b	"	4	"	
7			N by W	N by W	5,6		29	65	61	56	54	bcq	"	7	"	
8			"	"	5,6		29	64	61	56	54	"	Cums	4	"	
9			"	N N W	5		29	65	62	59	58	bcq	"	4	"	
10			"	"	6		29	65	65	60	58	ocq	Cum Nimb	0	"	
11			W	N W by N	6		29	65	68	62	60	bcq p	"	2	"	
Noon.			S W	S W	6		29	65	70	64	62	ocq p	"	5	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 100 "

Water remaining on hand fit for use at Noon — 1400 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			S W by W	S. W	3		29	66	69	58	59	oc	Ci Cum	1	S.	
2			"	S W by W	3		29	68	68	57	58	"	"	1	"	
3			"	"	3		29	70	67	56	57	"	"	1	"	
4			"	"	3		29	72	67	56	57	"	"	1	"	
5			S S W	S. S. W	2		29	76	66	56	57	"	Cum Nimb	0	"	
6			S	"	2		29	76	66	56	57	"	"	0	"	
7			W by S.	"	1		29	78	66	56	56	bcz b	"	6	"	
8			S W	"	1		29	81	66	55	56	"	Cum Str	7	"	
9			"	S. W	1		29	83	65	55	56	bcb	Ci Cum	6	"	
10			"	"	2		29	85	65	54	55	"	"	5	"	
11			"	"	2		29	85	65	54	55	"	"	7	"	
Mid.			"	"	3		29	85	65	54	55	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. A. Schley, U. S. Navy,

Monday July 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A M Clear and cool Moderate to very fresh breeze from N & Lightning last two hours to N.N.E. Bar falling Fires banked in two boilers

(Signed) L. P. Jouett
Master

From 4 to 8 A M Partially overcast with stiff to fresh breeze blowing in squalls from N and N by W Lightning to N. first two hours. Bar steady Sea smooth At 7.30 Flagship made gen sig 3350 Answered

(Signed) C. S. S. Moore
Ensign

From 8 A M to Meridn Cloudy and gloomy. overcast during 2d & 3d hours Occasional passing rain Moderate squalls At 11.40 breeze suddenly shifted to S. W At 9.15 mustered and inspected at quarters J. L. King (B. Mate) was reported absent from the ships without permission At 9.30 Flagship made gen sig 3247 At 9.40 the Captain and Officers of General Court left the ships At 11.47 Flagship made prep sig 6.40 at 11.55 gen sig 6.48 Sent down T. G. yards and T. G. masts At 9.45 started distilling Fires banked in two boilers Air pres 25 lbs Bar steady 29.65

(Signed) C. L. Downes
Midshipman

From Meridn to 4 P M Overcast Cloudy Light passing showers of rain first part of watch Light breeze from S. W by W. and S. W Bar rising Sea smooth Fires banked in two boilers Air pres 25 lbs. Distilling

(Signed) F. B. Dragg
Boatswain

From 4 to 8 P M Overcast first two hours then clear and pleasant Light breeze to light airs from S. S. W. At 5.15 Michael Leary (Ldg) came on board Angry and lightning during latter part of watch Fires banked in two boilers Air pres 25 lbs Distilling Bar 29.81

(Signed) C. L. Downes
Midshipman

From 8 P M to Midn Clear and cool Light airs to gentle breeze from S. W. Lightning Bar steady Fires banked in two boilers Air pres 25 lbs. Distilling

(Signed) L. P. Jouett
Master

Moons phase Last qr Dec N 25°

Examined and found to be correct.

(Signed) C. H. S. Curtis jr
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video & Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W	S. W	4.5		29 90	62	55	53		bc	Cum Nimb	3	S.	
2			"	"	3		29 90	62	55	53		"	"	4	"	
3			"	S. S. W	2		29 90	62	55	53		"	Cum	7	"	
4			"	S by W	2		29 90	61	55	53		"	"	7	"	
5			S. W by S.	S. W	2		29 93	61	54	52		"	Cum Str	5	"	
6			S. S. W	"	2		29 94	60	53	51		"	Nimb	5	"	
7			S. W by S.	"	2		29 98	60	52	50		oc	Cum Str	0	"	
8			S. W	"	2		30 03	59	52	50		"	"	0	"	
9			"	"	2		30 05	60	52	50		oc	"	0	"	
10			W	W	2		30 08	66	52	50		"	"	0	"	
11			"	"	3		30 09	66	52	50		"	"	0	"	
Noon.			"	"	3.4		30 09	66	51	50		"	"	2	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 900 "

Water remaining on hand fit for use at Noon — 2000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			S. W	S. W	4		30 09	65	51	49		bc	Cum + Nimb	2	M	
2			"	"	5		30 09	65	51	49		"	"	2	"	
3			"	"	5		30 09	63	51	49		"	"	2	"	
4			"	"	5		30 12	63	51	49		"	"	2	"	
5			S. W by S.	S. W by S.	5		30 13	66	52	50		oc	"	2	"	
6			"	"	5		30 13	67	52	50		"	"	2	"	
7			"	"	4		30 15	65	51	49		"	"	2	"	
8			"	"	4		30 15	65	51	49		"	"	2	"	
9			"	S. W	4		30 18	65	51	49		bc	"	2	"	
10			"	"	4		30 20	64	50	48		"	Cum	5	"	
11			"	"	4		30 20	63	50	48		"	"	9	"	
Mid.			"	"	4		30 21	62	50	48		b.	Nimb	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Tuesday July 15th, 1879

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Cloudy first part clearing up latter part of watch. Fresh to stiff breeze from S. W. S. & W. & S by E. Bar steady 29.90 Fires banked in two boilers At pres 20 lbs. Distilling

(Signed) A. C. Lemly
Ensign

From 4 to 8 A M Clear and pleasant first part. then overcast and hazy. Light breeze from S. W. At 730 Flagship made divs sig 3350 Fires banked in two boilers Av pres 20 lbs. Distilling Bar rising 30.03.

(Signed) C. L. Brune
Midshipman

From 8 A M to Merid Overcast and cloudy first three hours of watch clearing last hour Gentle to moderate breeze from S. W. & W. At 915 inspected crew at quarters J. L. King (B. M) absent without leave. At 930 Flagship made gen sig 3247 At 1020 Flagship made prep sig 6141 and at 1030 gen sig 6141 Sent up T. G. masts At 1035 Flagship made gen sig 3455 Loosed sail, gen sig 41 and pres. 20 lbs. Fires banked in two boilers Distiller in operation Bar rising slowly.

(Signed) F. A. Dran
Boatswain

From Merid to 4 P M Cloudy and cool with moderate to stiff breeze from S. W. Moderate sea At 320 Flagship made prep 4826 and at 325. 4826 Furled sail Fires banked in two boilers Av pres 20 lbs. Distilling Received in Med Dept. the following stores 1 lb Powd Gum arabic ½ lb Acetic Acid. 4 oz Muriatic acid ½ lb. Comps spirits ether 1 lb Water of Ammonia 1 lb Muriate Ammonia 2 oz Tinc of cantharides 4 lbs Pure Chloroform 4 oz Flds. ext of ergot. 1 oz Iodine ½ sulphate of Morphia 2 oz Fld ext ipicac 2 lbs Tinc of opium 4 Tinc. opium camphorated. 1 oz Comp Cathartic pills 1 lb Bromide of potassium 1 lb. Iodide 8 oz sulphate of quinia. 4 lbs soap liniment 4 lbs syrup of squill ½ lb. Fld ext senega. 1 lb. Sulpher ½ lb. ointment of rose water 1 lb Vaseline 1 dr. Veratria 4 lb Arrowroot. 1 oz Nutmeg 5 lbs White sugar 4 Rubber syringes 6 Suspensory Bandages. 5 yds flannel 5 lbs Patent Lint 80 yards muslin ¼ lbs. pins 5 yds adhesive plaster. 2 yds Isinglass plaster 4 dz asst Vials 4 oz Chloral

(Signed) A. C. Lemly
Ensign

From 4 to 8 P M Overcast and cloudy and pleasant with stiff to moderate breeze from S. W. by S. At 455 Flagship made gen sig 2985 Av pres 20 lbs Fires banked in two boilers Distiller in operation Bar steady Sea smooth.

(Signed) F. A. Dran
Boatswain

From 8 P M to Mid Commenced cloudy but cleared up towards end of watch Cool Moderate breeze from S. W. Moderate sea Fires banked in two boilers At pres 20 lbs Distillir in operation

(Signed) A. C. Lemly
Ensign

Moons phase Last qr Dec. N. 26°

Examined and found to be correct.

(Signed) C. H. Harlow
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.W.	S.W.	4		30 21	60	50	48		bc	Cirrus	8	B	
2			S.W by S.		4		30 21	60	50	48		"	"	8	"	
3			S.S.W.	S.W by S.	4		30 21	60	50	48		"	"	9	"	
4			"	S.	4		30 21	60	50	48		"	"	9	"	
5			"	S. by W	3		30 23	58	50	48		"	"	9	A	
6			S. by W	"	3		30 23	58	50	48		"	"	9	"	
7			"	"	3		30 26	58	49	48		"	"	9	"	
8			"	"	3		30 30	58	49	48		"	"	9	"	
9			S.W	S.S.E	3		30 35	63	49	49		"	Cum Str	8	"	
10			"	"	3		30 35	64	48	48		"	"	8	"	
11			S.W	"	2		30 35	63	49	48		"	"	8	"	
Noon.			W.S.W	"	2		30 35	64	49	48		"	"	8	"	

P. M.																
1			W by S.	S.	1		30 35	66	51	50		bc	Cum	8	A	
2			"	S.E	2		30 35	66	53	51		"	Cum Str	7	"	
3			S. by E	E by N	2		30 35	68	53	51		"	"	4	"	
4			E S.E	E	3		30 35	68	51	50		"	"	4	"	
5			"	E N.E	2		30 35	68	50	50		"	"	7	"	
6			"	"	2		30 35	68	50	48		"	"	8	"	
7			"	N.E	2		30 34	65	49	48		"	"	8	"	
8			"	"	2		30 34	64	47	47		"	"	8	"	
9			N.E	N.N.E	2		30 32	64	49	48		"	"	8	"	
10			N.E by N	"	2		30 31	64	49	48		oc	Cum	0	"	
11			N.N.E	"	3		30 31	62	48	48		"	"	0	"	
Mid.			N.N.W.	"	4		30 30	61	47	47		bc	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water ~~condensed~~ during the preceding 24 hours 1100 "

Water remaining on hand fit for use at Noon 2900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Longitude by Chronometer from Afternoon Observations ⊙ ' "

Longitude by Chronometer from Observations * ' "

Variation of the Compass by Amplitude observed at Sunset ' "

Variation of the Compass by at ' "

under the command of Commander W. A. Ashby, U. S. Navy,

Wednesday July 16th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cool with moderate breeze from S. W by S. Bar steady Rough sea Fires banked in two boilers Av pres 25 lbs Distilling

(Signed) C. P. T. Moore
Ensign

From 4 to 8 A M Clear cool and pleasant. Gentle breeze from S. by W. At 730 Flagship made gen sig 3350 Answered

(Signed) C. K. Curtis
Lieut

From 8 A M to Merid Clear and pleasant. Gentle to light breeze from S. & E. Smooth sea Bar steady 30.35. At 845 J. L. Krieg (B. M.) returned on board under the influence of liquor 49¾ hours overtime At 915 inspected at quarters At 930 Hartford made gen sig 3247 At 940 Officers attached to General Court Martial left the ship At 1005 made gen sig Int. 5455 "Hartford" answered and made 904 Loosed sails Fires banked in two boilers Av et pres 25 lbs. Distilling Rove off new royal back stay lanyards

(Signed) A. C. Leonby
Ensign

From Merid to 4 P M Clear and pleasant Light to gentle breeze from S. to E. by N. At 1 made Int sig 4826 Flagship answered and made 904 Furled sails At 1 10 made int sig 6117 Flagships answered and made 904 Shifted topsails At 140 stopped distilling At 330 Flagship made gen sig 5040. Recd in Pay Dept 52 lbs each of fresh beef and vegetables. At 348 mustered crew at quarters and secured out clear ham mocks Bar steady Sea smooth Fires banked in two boilers Av pres 10 lbs.

(Signed) H. H. Richardson
Carpenter

From 4 to 8 P M Clear and pleasant. Light breeze from S. W. & N. E. Smooth sea Bar steady Fires banked in two boilers Av et pres 10 lbs

(Signed) A. C. Leonby
Ensign

From 8 P M to Mid Clear and overcast at intervals Cold Light to moderate breeze from N. N. E. Bar falling slowly Sea smooth Fires banked in two boilers Av pres 10 lbs

(Signed) C. P. T. Moore
Ensign

Moons phase Last qr. Dec N 26°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1.			N NW by W	N NW by W	1		30 30	61	47	47		bc	None	10	S	
2			N N W	N by E	1		30 30	60	46	46		"	"	10	"	
3			N NW by N	N N W	3		30 30	57	45	45		bcg	"	10	"	
4			N N W	"	4		30 27	57	45	45		"	"	10	"	
5			N by W	N by W	4		30 27	57	45	45		bcg	Cum Str	8	"	
6			N	"	4		30 27	57	45	45		"	"	8	"	
7			N by E	"	4		30 23	55	44	44		bc	"	8	"	
8			"	"	4		30 20	55	45	44		"	"	8	"	
9			N	"	4		30 20	58	48	47		"	"	7	"	
10			"	"	5		30 20	60	51	48		"	"	6	SW	
11			N ½ E	"	5		30 20	61	54	52		"	"	5	"	
Noon.			N by W	"	5		30 15	62	56	54		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N by W	N by W	5		30 13	64	58	56		bc	Cum Cir	4	SW	
2			"	"	5		30 11	66	60	58		"	"	3	"	
3			"	"	5		30 09	67	62	60		"	"	3	"	
4			"	"	5		30 07	67	60	58		"	"	3	"	
5			"	"	5		30 05	66	58	56		"	"	3	S	
6			N	N	5		30 02	66	56	56		"	Cum	5	"	
7			"	"	5		30 00	65	56	54		"	"	7	"	
8			"	"	5		30 00	65	55	54		"	"	7	"	
9			N N E	N by W	6		29 95	64	55	54		bcg	Cum Str	8	SW	
10			N	"	6		29 95	63	55	54		bcg	None	10	"	
11			"	N N W	6		29 95	63	55	54		"	"	10	"	
Mid.			"	"	6		29 94	63	55	54		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. S. Ackley, U. S. Navy,

Thursday July 17th, 1879

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and pleasant. Hazy about horizon Light airs from N W by W to N by E first part then gentle to moderate breeze from N E & E breeze freshening towards latter part of watch with frequent light squalls Bar falling 30.27 Fires banked in two boilers Ap st pres 10 lbs

(Signed) C. L. Brumpo
Midshipman

From 4 to 8 A M Clear and cool Moderate breeze from N by E. Smooth sea Bar falling. At 7 30 Flagship made gen sig 33 50 Fires banked in two boilers Ap st pres 10 lbs

(Signed) S. S. Lemly
Ensign

From 8 A M to Merid Clear and cool Moderate to stiff breeze from N by E. At 9 30 Flagship made gen sig 32 47 At 10.30 French Corvette "Bruat" left the harbor Ordinary Seaman Chas Beardsley Philip Nagard J. R. Duncan F. N. L. Gray J. D. Darragh and Robt. Laidlow were rated seamen from July 1st Fires banked in two boilers Ap pres 10 lbs. Bar falling Sea smooth

Signed N. B. Richardson
Carpenter

From Merid to 4 P M. Cloudy and pleasant Stiff breeze from N by E. At 12 55 Flagship made gen sig 39 18 At 3 30 mustered at quarters and turned in clean hammocks Repaired main topsail and stowed it below Making preparations for repairing steam drum French Gunboat Bruat standing off and on and exercising in manuevers under sail Fires banked in two boilers Ap pres. 10 lbs. Bar falling 30.07. Instructed apprentices in signals Rcid for crew 152 lbs meat. 152 lbs vegetables

(Signed) C. L. Brumpo
Midshipman

From 4 to 8 P M Cloudy first hour clear last three hours Stiff breeze from N by E to N. Bar falling Sea smooth Fires banked in two boilers Ap pres 10 lbs. The French gunboat Bruat anchored in inner harbor

(Signed) C. P. T. Morris
Ensign

From 8 P M to Mid Clear and pleasant. Fresh breeze from N by E to N N E. Hazy. Frequent moderate squalls during the watch Fires banked in two boilers Ap pres 10 lbs. Bar steady 29.94

(Signed) C. L. Brumpo
Midshipman

Moons phase Last qr. Dec. N 24°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Montevideo Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N by W	N by W	7		29 92	60	54	54		b3g	None	10	M	
2			N W by N	N W by N	6.7		29 90	60	54	54		"	"	10	"	
3			"	"	6.7		29 88	60	54	54		oc	Nimb	8	"	
4			"	"	6.7		29 88	60	54	54		"	"	7	"	
5			N W by W	N W	6		29 87	60	52	54		"	Cum	0	A	
6			W N W	"	6		29 87	61	54	54		.	"	0	"	
7			W by N	"	6		29 90	61	54	54		bc	Cir Cum	3	"	
8			"	"	6		29 90	61	52	57		"	"	5	"	
9			"	"	6		29 90	64	57	58		ocz	.	5	"	
10			"	N W by W	6		29 90	65	59	60		"	"	0	"	
11			W N W	W N W	5		29 90	69	62	61		bczg	Cir Str	4	"	
Noon.			W by N	"	6		29 86	69	64	62		"	.	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 400 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			W by N	W by N	6		29 89	71	66	65		bc	Str	6	A	
2			"	"	4.5		29 79	70	66	65		"	"	6	"	
3			W	W	4		29 77	70	62	62		"	"	8	"	
4			W W W	W by W	3		29 75	69	63	63		"	"	8	"	
5			N W	N W	2		29 70	68	64	63		bcz	Cum Str	4	"	
6			N	N	4		29 69	68	64	64		"	.	6	"	
7			"	"	5		29 68	68	64	64		bczg	.	6	"	
8			N E	"	6		29 66	68	64	63		"	"	8	"	
9			N W by N	N by W	6		29 65	68	64	63		"	"	4	"	
10			"	"	6		29 64	68	64	63		"	"	4	"	
11			"	N	6		29 63	68	65	64		"	Cum	2	"	
Mid.			"	"	6		29 60	68	65	64		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ashley, U. S. Navy,

Friday July 18th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M Overcast and cloudy. with fresh to moderate breezes from NbyE to NWbyN Sea moderate Bar unsteady Banked fires under two boilers As at pres 10 lbs.

(Signed) F. A Dran
Boatswain

From 4 to 8 A M Overcast first two hours clearing last half Fresh breezes from N W. Bar rising Sea smooth At 720 Flagship made prep sig 6144 Answered At 730 gen sig 3355 Answered at 740 gen sig 6144 Answered. Crossed T. yards. At 8 dressed ship with flagship ensigns at mast heads Uruguayan ensign at main

(Signed) G. S. D. Moore
Ensign

From 8 A M to Merid Overcast first part then clear and pleasant Stiff to fresh breezes from N W to W N W Moderate squalls during latter part of watch At 915 Exercised divisions at fire quarters immediately after inspected divisions at quarters. At 930 Hartford made gen sig 324. At 940 Captain and officers of General Court left the ship Engaged in repairing steam drum At 12. the Hartford Governors and battery on shore each fired a salute of 21 guns. Hazy. Considerable flying scud from W & N Fires banked in two boilers As pres 10 lbs. Bar 29.80

(Signed) C. L Bruns
Midshipman

From Merid to 4 P M Clear and pleasant first part. Moderate to fresh breezes latter part of watch light breezes from W & N by W Bar falling 29.75 Sea smooth Engineers force engaged in repairing steam drum Fires banked under two boilers As at pres 10 lbs

(Signed) F. A Dran
Boatswain

From 4 to 8 P M Clear and pleasant Light to fresh breezes from N W to N Hazy. Moderate squalls during latter part. Flagship made the following signals at 500 gen 2465 at 505 prep 6144 at 515 gen 6140 Sent down T. G masts and F.G. yards. Fires banked in two boilers at pres 5 lbs

(Signed) C. L Bruns
Midshipman

From 8 P M to Mid Overcast and cloudy with fresh breezes from N W by N. Fires banked under two boilers At pres 15 lbs

(Signed) F. A Dran
Boatswain

Moons phase New Moon Dec N 21°

Examined and found to be correct.

(Signed) C. K Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			A A	N A	6.8		29 57	67	66	64		5 7 g	Cum + Cumb	0	S	
2			"	"	6.8		29 55	67	66	64		"	"	0	"	
3			"	"	6.8		29 54	67	66	64		"	"	0	"	
4			"	"	6.8		29 53	67	65	63		"	"	0	"	
5			A N A	A N A	2		29 52	66	65	63		oc g	"	0	"	
6			A by S	A	2		29 58	66	61	61		oc	"	0	"	
7			A S A	"	2		29 60	66	60	60		"	"	0	"	
8				"	3		29 63	65	60	60		"	"	0	"	
9			S A	S A	3		29 67	67	57	56		"	"	0	"	
10			A S A	"	1		29 70	68	57	56		"	"	0	"	
11			"	"	1		29 71	70	57	56		"	"	0	"	
Noon.			"	"	1		29 71	70	58	56		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			A S A	N A	1		29 69	70	59	58		oc w	Cum Nim	0	S	
2			"	"	2		29 67	68	58	58		"	"	0	"	
3			"	"	2,3		29 67	68	58	58		"	"	0	"	
4			"	A by N	2		29 67	66	58	56		"	"	0	"	
5			"	A S A	2,3		29 65	65	61	60		"	"	0	"	
6			"	"	2,3		29 65	64	59	58		"	"	0	"	
7			S A	S A	2		29 70	63	57	60		"	"	0	"	
8			A S A	"	2		29 70	63	57	56		"	"	0	"	
9			"	A S A	3		29 75	63	55	55		oc	"	0	"	
10			"	"	3		29 75	63	55	54		"	"	0	"	
11			"	"	3		29 77	62	55	54		"	"	0	"	
Mid.			"	"	3		29 78	62	54	52		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at Sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander N. A. Ackley, U. S. Navy,

Saturday July 19th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Overcast and cloudy. with fresh breeze to moderate gale from N W. Squally Smooth sea Bar falling Fires banked in two boilers at pres. 10 lbs. (Signed) A. C. Lemly Ensign

From 4 to 8 A M Overcast and pleasant. Gentle to light breeze from N W to W. The watch commenced with breeze blowing very fresh in squalls at 430 it suddenly hauled to W N W. and moderate to light breeze Bar rising 29.63 Fires banked in two boilers At pres 10 lbs. (Signed) C. L. Briggs Midshipman

From 8 A M to Merid Overcast and cloudy with gentle to light breeze from S. W. At 930 Flagship made gen sig 3247 At pres. 10 lbs. Fires banked in two boilers Bar rising Sea smooth F. L. Handley (OS 2d Cl) and Michael Regan (Seal) were released from confinement by order of Comdg Officer (Signed) F. A. Dean Boatswain

From Merid to 4 P M. Overcast cloudy and threatening with light to gentle breeze from N W. and W by N. Smooth sea Bar steady last three hours Received from "Hartford" Henry Mullins (OS) and J. A. W. Holland (OS) with bags hammocks and descriptive lists and transferred to "Hartford" with bags hammocks and descriptive lists Nicholas Lynch (OS 2d Cl) and Edward Morad (OS 2d Cl) Fires banked under two boilers At 4 pres 10 lbs At 2 to made Int sig 4826 Hartford answered and made 904 answered (Signed) A. C. Lemly Ensign

From 4 to 8 P M. Overcast squally and threatening weather Light to gentle breeze first two hours from W S. W. Light breeze last two hours from S. W. Bar steady last two hours Sea smooth Fires banked under two boilers At 8 pres 10 lbs (Signed) F. A. Dean Boatswain

From 8 P M to Mid Overcast and cloudy with gentle breeze from W. S. W. Smooth sea Bar not settled Fires banked in two boilers At 8 pres 10 lbs. (Signed) A. C. Lemly Ensign

Moored ship in 1st qr Depth 18

Examined and found to be correct. (Signed) C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W.S.W	S.W	4		29 83	62	55	54		bc	Cum Nimb	2	S.	
2			"	"	6.8		29 87	62	55	54		bcq	Cir Cum	6	M	
3			S.W	S.W by S.	7.8		29 89	62	52	50		bq	Nimb	10	R	
4			"	S.S.W	8		29 88	60	52	50		"	"	10	"	
5			"	S.W by S.	8		29 90	57	51	49		"	"	10	"	
6			"	"	8		29 90	56	51	49		"	"	10	"	
7			"	"	8		29 95	55	49	48		"	"	10	"	
8			S.W by S.	"	8		29 99	55	49	48		"	"	10	"	
9			"	"	5.6		30 00	56	48	46		"	"	10	M	
10			S.S.W	S.W	5		30 02	60	48	46		b	"	10	"	
11			"	W by S.	4		30 03	62	49	48		bc	Cir Cum	8	"	
Noon.			S.W	"	4.5		30 04	63	50	48		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 16500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			W.S.W	W by N	4.5		30 03	66	50	48		bc	Cir Cum	8	M	
2			W	"	5		30 01	66	51	49		"	"	8	"	
3			"	W	5		30 00	61	52	50		"	"	9	"	
4			"	"	5		30 00	63	52	50		"	"	9	"	
5			"	"	5.6		30 02	63	52	50		"	Cum Str	9	"	
6			"	N.W.	5		30 03	65	50	48		"	"	9	"	
7			W.N.W	N.W by W	5		30 02	65	49	48		"	"	9	"	
8			"	"	4		30 02	63	49	48		"	"	9	"	
9			W	W.N.W	4		30 02	63	48	48		"	"	9	"	
10			N.N.W	N.W	5		30 02	63	48	48		"	"	9	"	
11			"	"	5		30 02	63	47	47		"	"	9	"	
Mid.			"	"	5		30 05	62	47	47		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. S. Schley, U. S. Navy,

Sunday July 20th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Cloudy first hour clear last three Moderate breeze first breeze At 1 heavy squalls from S W followed by fresh breeze to moderate gale from S. W to S S W. At 1.10 let go stbd anchor and veered to 30 fms on stbd chain and 90 fms on port chain

(Signed) C. P. T. Moore
Ensign

From Clear cool and pleasant with a very fresh breeze to moderate gale from S. W by S. At 4.10 veered to 15 fms on each chain making 105 fms on port and 45 fms on stbd At 6.10 rigged in lower booms and unshipped ladders and pennants At pres. 10 lbs. Fires banked under two boilers Sea rough Bar rising 2999 At 7.30 Flagship made gen sig 3350 Answered

Signed P. A Engr Brand Boatswain

From 8 A M to Merid Clear and cool with moderate to fresh breeze from S. W by S. to W by S. Moderate sea At 9.30 hove up starboard anchor and hove in to 60 fms on port chain Bar rising Fires banked in two boilers Av at pres. 10 lbs.

Signed A. C Lemly
Ensign

From Merid to 4 P M. Clear and cool with moderate to stiff breeze from W by N to W. Moderate sea and barometer falling Received fresh provision for crew also in Engrs Dept 20 lbs iron bolts and nuts and two bbls lime At 3.50 made Sat sig 4161 Flagship answered 5363 Fires banked in two boilers Av pres 10 lbs.

Signed C. P. T. Moore
Ensign

From 4 to 8 P M. Clear and cool with moderate to fresh breeze N W & N W by W. Moderate sea Bar unsettled Hoisted smoke pipe and made general preparations for sea General J. C. Caldwell U.S. Charge d' Affairs to Uruguay came on board for a passage to Buenos Ayres Pilot came on board at 7.45 Fires banked in two boilers Av at pres 10 lbs.

Signed A. C Lemly
Ensign

From 8 P M to Mid. Clear and cool with moderate to stiff breeze from W S W to N W. Fires banked in two boilers Av pres 10 lbs.

Signed C. P. T. Moore
Ensign

Moons phase 1st Quar 1st gr Dec N. 13°

Examined and found to be correct.

Signed C. H. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Underway making passage from Monte Video Ury to Buenos Ayres Arg Con.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SE by S	SE by S	3		30 06	62	46	46		bz	None	10	S	
2			S by E	SE by S	3		30 06	62	45	44		"	"	10	"	
3			"	SE by S	2		30 06	61	45	44		"	"	10	"	
4			SE	"	2		30 06	61	47	46		"	"	10	"	
5			S SE	SE by S	3		30 05	61	49	48		b	"	10	"	
6			"	"	4		30 04	61	50	49		"	"	10	"	
7			"	"	4		30 03	61	51	50		bc	Cir & Cum Str	9	"	
8			SE SE	"	4		30 03	61	51	50		"	"	9	"	
9				SE by S	4		30 03	60	53	52		"	Cir Cums	8	"	
10				SE	4		30 02	60	52	51		"	Cum Str	8	"	
11				"	4		30 02	62	53	52		"	"	8	"	
Noon.				"	4		30 00	63	54	52		"	"	9	"	

Under direction of Pilot

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 500 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1100 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.															
1			Under	SE by S	2	29 95	65	56	54		bc	Cum Str	8	S	
2			direction	"	3	29 90	63	57	56		"	"	7	"	
3			of	"	4	29 87	62	58	56		"	"	8	"	Set M Topsail jib & Spanker
4			Pilot	"	4	29 85	61	58	56		"	"	8	"	
5			for	"	4	29 85	61	56	55		"	"	8	"	
6			Buenos Ayres	"	4	29 82	62	56	55		"	Cir Str	9	"	Hauled down jib trailed up
7			"	SE by S	4	29 80	62	56	55		"	"	8	"	Topsail & Spanker
8			"	"	4	29 80	62	56	55		"	"	9	"	
9			"	"	3	29 80	63	56	55		"	"	9	"	
10			SE	"	3	29 78	63	57	56		"	"	9	"	
11			"	"	4	29 76	63	56	55		"	"	9	"	
Mid.			"	"	4	29 75	63	56	55		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Monday July 21st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and pleasant Gentle to light breeze from W N W. to N N W. At 1210 Started fires in four additional boilers At 3 called all hands and made preparations for getting underway. At 4 hove up port anchor and started ahead under the steam up the river in charge of pilot Bar steady 30.06

(Signed) C L Boyne
Midshipman

From 4 to 8 A M Clear cool and pleasant with moderate breeze from W by N. Smooth sea Bar steady Standing up the river in charge of Pilot Steaming three fourths power. Av st pres 50 lbs. Rev 60 At 7¾ lost sight of the mount bearing (p s) N E ¼ N. Sent T. G masts. (Signed) A. C Lemly
Ensign

From 8 A M merid Clear and cool with moderate ~~sea~~ breeze from W N W to N W. Bar falling Sea smooth At 915 sighted Indio light ship ahead Steering N. N. W. At 1030 sighted Gas[illegible] bearing west At 11.10 passed Indio light ship Steering N W (Signed) C. P. T. Moore
Ensign

From Merid to 4 P M Clear and pleasant. Gentle to moderate breeze from N N W At 1245 lost sight of Indio light ship bearing S E. At 220 sighted Chico bank light ship bearing W by N At 335 set Main trysail At 340 set jib and spanker. Bar falling 29.85 (Signed) C L Boyne
Midshipman

From 4 to 8 P M Clear and pleasant with moderate breeze from N N W to N W by W At 445 lost sight of Chico light ship bearing E by S. At 530 sighted land on stbd bow At 550 sighted Farrallone light and at 610 sighted Colonia light both on stbd bow. Steaming with six boilers Standing up for Buenos Ayres under direction of Pilot. (Signed) C. P. T. Moore
Ensign

From 8 P M to Mid Clear and pleasant. Gentle to moderate breeze from N W by W At 905 came to anchor in the River Plate in 23 ft. of water and 90 fms on port chain Banked fires and started distiller Draught of ship forward 13 ft 6 in Amid. 14 ft 9 in Aft 15 ft 10 in Bar falling 29.75
(Signed) C L Boyne
Midshipman

Moon's phase 1st qr. Dec N. 7°

Examined and found to be correct.

(Signed) C K Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Buenos Ayres Arg. Repl.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N NW by W	N W	4		29 75	62	56	54		bc	Cir Str	9	S	
2			"	"	4		29 74	61	55	54		"	"	8	"	
3			"	"	3		29 73	60	55	54		"	"	8	"	
4			"	"	3		29 72	60	55	55		"	"	8	"	
5			N	W N W	5		29 72	60	55	55		bcj	"	7	"	
6			"	"	5		29 73	62	55	54		"	"	7	"	
7			"	"	5		29 75	62	54	54		"	"	8	"	
8	Under charge of Pilot			"	5		29 78	62	54	54		"	"	8	"	
9			N W	N W by N	3		29 80	62	55	54		bj	None	10	"	
10			"	"	3		29 80	65	56	55		"	"	10	"	
11			"	"	3		29 80	66	58	58		"	"	10	"	
Noon.			"	"	3		29 80	67	60	58		"	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N NW by W	W N W	3		29 75	65	62	61		bj	None	10	S	
2			N W	W by N	3		29 73	65	65	64		"	"	10	"	
3			"	"	3		29 70	65	65	64		"	"	10	"	
4			"	"	2		29 70	65	66	65		"	"	10	"	
5			"	Calm	0		29 70	63	66	64		"	"	10	"	
6			S E	"	0		29 70	63	60	60		"	"	10	"	
7			S E by E	"	0		29 70	62	60	60		"	"	10	"	
8			N N E	"	0		29 70	62	60	60		"	"	10	"	
9			"	E S E	0		29 70	62	60	60		"	"	10	"	
10			"	"	2		29 70	62	60	59		"	"	10	"	
11			"	"	2		29 70	62	60	59		"	"	10	"	
Mid.			"	N N W	2		29 70	62	60	59		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander H. A. Ashley, U. S. Navy,

Tuesday July 22d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Gentle to moderate breeze from N.W. all the watch Smooth Bar unsteady Fires banked under six boilers At pres 25 lbs Distilling

(Signed) F. A. Dran
Boatswain

From 4 to 8 A.M. Clear and cool with stiff breeze from W.N.W. hazy around horizon At 615 brought to on port chain rove cat and fish, made other preparations for getting underway. At 725 got underway and steamed in for Buenos Ayres under direction of Pilot Spread fires at 615

(Signed) C. B. T. Moore,
Ensign

From

From 8 A.M. to Mid. Clear and pleasant Gentle breeze from N.W. by N. At 835 came to anchor in the outer roads of Buenos Ayres in 3 fms of water, 45 fms on port chain Hauled fires in four and banked fires in two boilers Started distiller At 10 Thos Matthews (Ldr) was released from confinement in double irons and made prisoner at large to await trial by Summary Court Martial At 1150 P.A. Paymaster Stancliff Ensign C.B.T. Moore and Asst Engr Ransom left the ship on 48 hours leave Draught of ship forward 13 ft 9 in Amid 14 ft 9 1/2 in Aft 15 ft 10 in Bar Steady 29.80 Fires banked in two boilers At pres 25 lbs Distilling

(Signed) C. L. Bruns
Midshipman

From Mid. to 4 P.M. Clear and pleasant with a gentle breeze from W.N.W. and W. by N. At 315 exercised at shifting topsails and spanker Sea smooth Bar steady Fires banked in two boilers At pres. 25 lbs. Distilling

(Signed) F. A. Dran,
Boatswain

From 4 to 8 P.M. Clear and pleasant. Calm, Fires banked in two boilers Distilling Bar steady 29.70

(Signed) C. L. Bruns
Midshipman

From 8 P.M. to Mid. Clear and pleasant with very light breeze from S.E. to N.N.W. Bar steady 29.70 Fires banked in two boilers Steam 25 lbs. Distilling

(Signed) F. A. Dran,
Boatswain

Moons phase 1st qr. Dec N 1°

Examined and found to be correct.

(Signed) C. H. G. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Buenos Ayres Arg. Rep.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			A A	A A by N	3		29 70	62	60	59		bc	Cirlum	8	A	
2			"	"	3		29 67	62	61	59		"	Cum Str	8	"	
3			"	"	3		29 67	62	61	59		"	"	8	"	
4			A A A	A by A	3.6		29 70	62	59	58		bcq	"	8	"	
5			"	A A A	5		29 70	58	57	57		bcz	"	8	"	
6			A E	A	3		29 71	58	56	56		"	"	8	"	
7			"	A E by A	3		29 75	58	54	54		"	"	8	"	
8			"	A E	3		29 80	58	55	54		"	"	9	"	
9			"	"	3		29 82	60	55	54		bc	"	9	"	
10			A A A	A E by A	3		29 85	60	56	55		"	"	9	"	
11			"	"	3		29 87	60	56	55		"	"	9	"	
Noon.			"	A A E	3		29 87	59	58	56		"	"	9	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water Condensed during the preceding 24 hours	700	"	
Water remaining on hand fit for use at Noon	1900	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.														
1			A N A	A A E	3	29 87	60	60	58		bz	Nim	10	A
2			N A by A	"	2	29.87	62	67	64		"	"	10	"
3			N A	"	1	29.87	62	66	64		bcz	Cum Str	9	"
4			"	N	1	29 87	62	65	63		"	"	9	"
5			A N A	A A A	1	29 90	62	60	62		"	"	9	"
6			A A by A.	A.	1.2	29.90	61	58	57		"	"	9	"
7			A E	A A	2	29.93	61	58	57		"	"	8	"
8					2	29.95	61	57	56		"	"	6	"
9			A E by A	A A A	2	29.97	61	55	54		bc	Cir+Cum	5	"
10			A A E	A	2	30.00	61	54	53		"	Cum	8	"
11			A A	"	2	30.00	60	54	53		"	"	8	"
Mid.			A by A	"	3	30.03	60	54	53		"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. A. Schley, U. S. Navy,

Wednesday July 23d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cool Gentle breeze from N W by N. until last hour when it hopped round and blew gentle breeze to fresh squalls from S. W by S. Smooth sea Bar unsettled Fires banked in two boilers As at pres. 25 lbs. Distiller in operation

(Signed) A. C. Lemly
Ensign

From 4 to 8 A M Clear and pleasant. Gentle to stiff breeze from S. S. E to S E. Hazy about horizon Fires banked in two boilers As pres 25 lbs. Bar rising 2980

(Signed) C L Brown
Midshipman

From 8 A M to Merid Clear and pleasant. Gentle breeze from S E to S. S. E. At 11 sent a liberty party on shore for 48 hours At pres 25 lbs Distiller in operation Fires banked in two boilers Bar rising slowly Sea smooth

(Signed) F. A. Doran
Boatswain

From Merid to 4 P.M. Clear and pleasant. but hazy about horizon Gentle breeze from S. S E to light airs from N. Smooth sea Bar steady at 29.87 Fires banked in two boilers As pres 25 lbs. Distilling

(Signed) A. C Lemly
Ensign

From 4 to 8 P M Clear and pleasant. Hazy about horizon Gentle breeze from S. to S. S. W. Recd 1/2 lb of fresh beef and 1/2 lbs vegetables for crew. Bar. rising Sea smooth Fires banked in two boilers As at pres. 25 lbs. Distilling

(Signed) F A Doran
Boatswain

From 8 P M to Mid Clear cool and pleasant. Light to gentle breeze from S. S W and S. Smooth sea Bar rising slowly. Moon set at 10 Fires Banked in two boilers At pres 10 lbs. Distiller in operation

(Signed) A. C Lemly
Ensign

Moons phase First qr Dec 4. 4°

Examined and found to be correct.

(Signed) C K Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Buenos Ayres Arg Repb

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. NbyW.	S.	4		30 05	58	53	52		b	None	10	S	
2			"	"	4		30 05	58	52	51		"	"	10	"	
3			"	"	4		30 05	57	51	49		"	"	10	"	
4			"	"	4		30 05	56	51	49		"	"	10	"	
5			N E	"	4		30 07	56	51	49		"	"	10	"	
6			E.	S S E	3		30 08	56	50	48		bc	"	10	"	
7			S E	S E	2		30 10	56	50	48		"	"	10	"	
8			"	"	2		30 10	58	50	48		"	"	10	"	
9			"	"	2		30 12	58	50	48		"	Cum Strs	9	"	
10			"	"	1		30 13	58	51	50		"	"	9	"	
11			"	Var airs	0.1		30 13	58	54	52		"	"	9	"	
Noon.			N W	"	0.1		30 13	57	53	52		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300 gallons.		
Water during the preceding 24 hours	750 "		
Water remaining on hand fit for use at Noon	2550 "		
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.																
1			N. W.	N E	2		30 12	58	61	60		bc	Cir Cum	8	S	
2			"	E	2		30 11	58	62	60		"	"	6	"	
3			"	Var airs	0.1		30 11	58	60	59		"	"	4	"	
4			"	N E.	2		30 11	58	58	57		"		2	"	
5			"	Calm	0		30 11	58	56	54		"	Cir Cum Strs	2	"	
6			"	"	0		30 11	58	55	53		"	Cir Cum	5	"	
7			"	"	0		30 11	58	52	52		"	"	5	"	
8			"	"	0		30 11	58	54	52		"	"	7	"	
9			"	"	0		30 12	58	54	52		"	"	8	"	
10			"	"	0		30 12	58	55	54		b	None	10	"	
11			"	"	0		30 12	58	54	53		"	"	10	"	
Mid.			"	"	0		30 12	58	54	53		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander H. A. Schley, U. S. Navy,

Thursday July 24th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Cloudless and cool with moderate breeze from S. Smooth sea Bar steady Fires banked in two boilers Av st pres. 25 lbs. Distiller in operation (Signed) A. C. Lemly Ensign

From 4 to 8 A M Clear cool and pleasant Gentle to moderate breeze from S. to S.E. Fires banked in two boilers Av st pres. 25 lbs. Distilling Bar rising Sea smooth (Signed) F A Dray Boatswain

From 8 A M to Merid Clear and pleasant. Light airs to light breeze from S.E. first half, light variable airs latter half. Sea smooth Bar steady At q.s mustered and inspected at quarter Scraped spars. Fires banked in two boilers Av st pres 25 lbs. Distiller in operation (Signed) A. C. Lemly Ensign

From Merid to 4 P M Clear and pleasant. first half. cloudy last two hours Light variable airs, calms and light breeze from S.E to E Bar steady Sea smooth. Fires banked in two boilers Av pres 25 lbs Distilling. Ensign C. P. T. Moore. and Asst Engr G W Ransom returned on board (Signed) C. P. T. Moore Ensign

From 4 to 8 P M Cloudy but clearing towards ends of watch Pleasant Moonlight Light airs from S.E first hour Calms remainder of watch Smooth Sea Bar steady 30.11 Fires banked in two boilers Av st pres 25 lbs Distiller in operation (Signed) A. C. Lemly Ensign

From 8 P M to Mid Clear calm and cool Bar steady Fires banked in two boilers Av pres 25 lbs Stopped distiller at 10 30 (Signed) C. P. T. Moore Ensign

Mond phase 1st qr Dec S 18°

Examined and found to be correct. (Signed) C. H. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Buenos Ayres Arg. Rep.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			A.N.	Calm	0		30 13	58	54	52		b	Nims	10	S	
2			"	"	0		30 13	57	54	52		"	"	10	"	
3			"	"	0		30 13	57	53	52		"	"	10	"	
4			"	"	0		30 13	56	52	52		"	"	10	"	
5			N	"	0		30 12	56	52	51		bc	Cir. Cumul sto	9	"	
6			A.	Var Airs	0.1		30 12	56	52	51		"	"	8	"	
7			E.A.E.	"	0.1		30 12	56	51	50		"	"	8	"	
8			AE	"	0.1		30 12	56	51	50		"	"	5	"	
9			"	"	0.1		30 13	56	52	52		"	Cir Cumul	5	"	
10			"	AE	1		30 15	56	52	51		"	"	6	"	
11			"	"	2		30 14	57	52	51		"	"	7	"	
Noon.			"	"	2		30 12	57	53	52		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 650 "

Water remaining on hand fit for use at Noon — 2700 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			A N	NE	1		30 10	58	57	55		bc	Cir Cumul	8	S	
2			"	"	2		30 08	58	61	58		"	"	8	"	
3			"	ENE	2		30 06	57	61	58		"	"	6	"	
4			"	"	2		30 06	57	58	56		"	"	6	"	
5			N by N	E by N	3		30 05	57	56	55		"	"	6	"	
6			"	"	3		30 04	57	55	54		"	"	4	"	
7			N E by E	E N E	4		30 03	57	55	54		"	"	4	"	
8			E by N	"	4		30 02	57	55	54		"	"	3	"	
9			E	N E	4		30 02	57	55	54		beq	"	3	"	
10			"	"	5		30 01	57	55	54		"	"	2	"	
11			E N E	E N E	5		29 99	57	54	53		"	"	2	"	
Mid.			N E by E	N E by E	5		29 99	57	54	52		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Friday July 25th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Clear cool and pleasant. Calms

(Signed) L. P. Jouett
Master

From 4 to 8 a.m. Clear and cool with calms and light variable airs Sea smooth Bar steady Received fresh provisions for crew Fires banked in two boilers Air at press 10 lbs (Signed) A. C. Lemly
Ensign

From 8 a.m. to Noon Clear and pleasant with variable airs first hour and light airs to light breeze from S.E. last three Bar falling slowly At 9.15 inspected crew at quarters Fires banked in two boilers Air at press 10 lbs.
(Signed) C. D. T. Moore
Ensign

From Noon to 4 P.M. Clear and pleasant. Light breeze to light airs from N.E. to E.N.E. At 1.00 Ensign A. C. Lemly and Paymasters Clerk J. C. Petty left the ship on 48 hours leave. Sent as special liberty party on shore Bar falling 30.06
(Signed) C. L. Brune
Midshipman

From 4 to 8 P.M. Cloudy and cool with gentle to moderate breeze from E by N to E.N.E. Bar falling and sea smooth Fires banked in two boilers Air press 10 lbs
(Signed) C. D. T. Moore
Ensign

From 8 P.M. to Noon Cloudy and pleasant. Moderate to stiff breeze from N.E. to E.N.E. Frequent light squalls Bar falling 29.99
(Signed) C. L. Brune
Midshipman

Moons phase 1st qr. Dec. A. 16°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Buenos Ayres Arg. Repl.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NbyW	NE	5.6		29 97	57	56	54		bc	bir bum	5	S	
2			"	"	5.6		29 94	57	56	54		"	"	6	"	
3			"	"	5.7		29 94	57	56	54		"	"	7	"	
4			"	"	5.7		29 92	57	55	53		"	"	5	"	
5			N	"	5		29 91	57	53	53		"	bcum	4	"	
6			"	"	5		29 90	57	54	52		"	"	3	"	
7			ENE	NEbyN	5		29 90	56	52	51		"	"	5	"	
8			EbyN	NNE	5		29 88	56	52	51		"	bir Cum & Mist	5	"	
9			E	NEbyN	5		29 88	56	52	51		"	"	2	M	
10			EbyN	"	5		29 87	56	53	52		"	"	2	"	
11			ENE	"	5		29 85	57	54	52		"	"	2	"	
Noon.			NNE	N	5		29 83	57	54	52		bc	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 24600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N	N	3		29 75	57	54	52		oc	bir Cum	2	S	
2			"	"	3		29 74	57	54	52		"	"	2	"	
3			"	"	3		29 73	57	54	52		"	"	0	"	
4			"	"	3		29 72	57	54	52		"	"	0	"	
5			NNW	NbyE	2		29 70	57	56	53		ocz	bir Cum & Mist	0	"	
6			NW	"	2		29 70	58	56	54		"	"	0	"	
7			"	NNE	2		29 68	58	56	54		"	"	0	"	
8			NWbyN	NE	1		29 68	58	56	56		"	"	0	"	
9			NW & W	Calm	0		29 68	58	56	56		"	"	0	"	
10			"	"	0		29 68	58	57	56		bc	bir Cum	4	"	
11			"	"	0		29 68	58	57	56		"	"	7	"	
Mid.			"	"	0		29 65	58	57	56		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. A. Ashley, U. S. Navy,

Saturday July 26th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M) Clear cool and pleasant. Blowing in fresh puffs from N E. Bar falling slowly. Fires banked in two boilers Av pres 10 lbs.
(Signed) L. P. Jouett
Master.

From 4 to 8 A M Fair and cool with fresh to stiff breeze from N E to N N E. Bar falling Sea smooth Fires banked in two boilers Av pres 10 lbs.
(Signed) C. P. A. Moore
Ensign

From 8 A M to Merid. Cloudy and pleasant. Overcast last hour Stiff breeze from N E by N. to N. At 11 Lieut. Curtis P. A. Engr Gardner Asst Engr Ransom Carpt Richardson Capts Clerk H. J. Dawson each left the ship on 48 hours leave. Bar falling 29.83
(Signed) C. L. Brums
Midshipman

From Merid to 4 P M. Overcast Cloudy Cool Gentle breeze from N. Bar falling Sea smooth. Fires banked in two boilers Av pres 10 lbs.
(Signed) L. P. Jouett
Master

From 4 to 8 P M Overcast and pleasant. Light airs to light breeze from N by E to N E. Received for crew 156 lbs beef and 156 lbs vegetables Fires banked in two boilers Av pres. 10 lbs. Bar 29.68
(Signed) C. L. Brums
Midshipman

From 8 P M to Mid Overcast and cloudy first hour clear and cool latter part. Calm. Fires banked in two boilers Av pres 10 lbs.
(Signed) L. P. Jouett
Master

Moons phase 2d qr Dcd. S. 21°

Examined and found to be correct.
(Signed) C. K. Curtis Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Buenos Ayres Arg. Rep.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. W	Calms	0		29 65	58	57	56		bc	Cums	5	S	
2			"	"	0		29 65	58	57	56		"	"	7	"	
3			"	"	0		29 65	58	57	56		"	"	8	"	
4			"	"	0		29 65	58	57	55		"	"	8	"	
5			"	"	0		29 65	58	56	54		"	"	6	"	
6			"	"	0		29 67	58	56	55		bc	Cir Cums Nimb	0	"	
7			"	N E	1		29 67	58	56	54		"	"	0	"	
8			N W by W	S.	2		29 75	58	53	52		"	"	0	"	
9			N	S. S. E	4		29 78	58	53	52		"	"	0	"	
10			E	S. by E	3		29 78	58	54	52		C	"	1	"	
11			S. S. E	S. S. E	3		29 80	58	54	52		"	"	2	"	
Noon.			"	S. E by S	3		29 80	58	56	54		"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2100 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			S E	E S. E	2		29 77	62	58	57		bc	Cir Cums + Nimb	3	S	
2			"	E by S.	2		29 77	62	58	57		"	Cir + Cums	6	"	
3			S.		1		29 77	62	60	59		"	"	9	"	
4			N W	Calm	0		29 77	62	62	61		"	"	9	"	
5			"	"	0		29 77	61	61	59		b	Nimb	10	"	
6			"	"	0		29 77	61	58	58		"	"	10	"	
7			"	"	0		29 80	61	57	56		"	"	10	"	
8			"	"	0		29 81	61	56	55		"	"	10	"	
9			N W	N E	1		29 81	60	56	55		"	"	10	"	
10			S E	"	1		29 81	60	56	55		"	"	10	1	
11			"	"	1		29 81	60	56	55		"	"	10	"	
Mid.			"	Calm	0		29 81	60	56	55		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Sunday July 27th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM Clear cool calm and pleasant. Bar steady Fires banked on two boilers As press 10 lbs

(Signed) C. S. D. Moore
Ensign

From 4 to 8 AM Clear first hour Overcast and pleasant remainder of watch Calms. to light breeze from NE to S. Bar rising 29.75 Fires banked in two boilers As pres. 10 lbs. (Signed) C. L. Spruns
Midshipman

From 8 AM to Merid. Cloudy and overcast. Cool. Gentle to moderate breeze from S by E to S E by S. At 9 AM mustered at quarters D. J. Downey (B mate) and Patrick D. Bass (B 1st C.) absent without leave. Liberty party returned on board Ensign A. C. Lemly and Pay Clerks Petty returned from leave. Fires banked on two boilers As pres 10 lbs.

(Signed) L. P. Jouett
Master

From Merid to 4 PM Cloudy but clearing Light airs to light breeze from S S E to S by E. Calms last hour Bar steady at 29.77 Fires banked on two boilers As at pres 10 lbs.

(Signed) A. C. Lemly
Ensign

From 4 to 8 PM Clear and pleasant. Calms. Bar rising slowly. Fires banked on two boilers At pres 15 lbs.

(Signed) L. P. Jouett
Master

From 8 PM to Mid. Cloudless and pleasant. Bright moonlight Light airs from S. E and E calms Smooth sea Bar steady at 298 Fires banked on two boilers As pres 10 lbs.

(Signed) A. C. Lemly
Ensign

Moons phase 2d qr. Dec S 24°

Examined and found to be correct.

(Signed) H. H. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Buenos Ayres. Arg. Repb.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.E by S.	S	2		29 85	59	55	54		b	Horse	10	S	
2			S by E	"	2		29 85	59	55	54		"	"	10	"	
3			"	"	2		29 85	58	54	53		"	"	10	"	
4			S.	"	2		29 85	58	53	52		"	"	10	"	
5			"	S by W	2		29 83	58	52	52		"	"	10	"	
6			"	"	3		29 83	58	52	52		"	"	10	"	
7			"	"	3		29 83	56	48	48		"	"	10	"	
8			"	"	3		29 89	57	48	46		"	"	10	"	
9			S by E	S by E	2		29 90	62	48	47		b cl	Cir Cum	9	"	
10			S E	"	1		29 91	63	53	50		"	"	9	"	
11			"	Var airs	0		29 91	63	54	52		"	"	5	"	
Noon.			"	S. E.	0,1		29 90	62	54	52		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S E	E S E	2		29 90	62	55	53		b c	Cir	9	S	
2			"	"	2		29 90	62	55	53		"	"	9	"	
3			N N E	E	2		29 88	62	56	55		"	"	9	"	
4			N E	N E by E	2		29 88	62	59	57		"	Cir Cum	7	"	
5			"	S E	2		29 87	61	58	57		"	"	7	"	
6			"	"	2		29 85	61	56	55		"	"	6	"	
7			"	S E by S.	2		29 88	61	55	55		"	"	5	"	
8			"	S S E	2		29 89	60	55	55		"	"	3	"	
9			N E by E	S E by S	2		29 90	61	56	55		"	"	3	"	
10			S. E by E	S E by E	2		29 91	61	55	54		"	"	4	"	
11			S E	S E	2		29 91	61	55	54		"	"	3	"	
Mid.			"	"	2		29 91	60	55	54		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Monday July 28th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant light breeze from S. Fires banked in two boilers As pres 15 lbs.
(Signed) C. P. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Light to gentle breeze from S. by W. Bar rising Fires banked in two boilers As pres 15 lbs.
(Signed) L. P. Jouett
Master

From 8 A.M. to Merid. Clear and fine Light breeze to light airs from S. by E. first half after which light variable airs Bar steady Sea smooth At 9 15 called to general quarters Divisions reported ready as follows 1st Div. 2m 4s 3d Navigators & Engrs each 2m 3s Powder division and Marine Guard at 6s p/r Rifle each 2m 35s. At 9.35 secured in 3m & 3s Michael Cleary (Q. Gr.) absent without leave Fires banked in two boilers As pres 15 lbs. Engaged during watch in overhauling gear of light yards and setting up topmast backstays
(Signed) A. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant with light breeze from E. S.E. to N.E. by E. Bar steady Finished setting up topmast backstays and overhauling T.Y. and R. yards and shifted T.Y. & R. braces ends for end. Fires banked in two boilers As pres. 15 lbs.
(Signed) C. P. T. Moore
Ensign

From 4 to 8 P.M. Clear first part but clouding over latter part of watch Obscured moonlight Light breeze from N.E. by E to N.N.E. Smooth sea Bar unsettled At 8. Michael Cleary (Q. Gr.) P.D. Cass (B. & C.) and D. J. Downey (B. Mate) returned on board. Fires banked in two boilers As at pres 15 lbs
(Signed) A. C. Lemby
Ensign

From 8 P.M. to Mid. Cloudy with thin Cirro Cumulus clouds Light breeze from N.E. by N. to N.E. by E and N.E. Bar steady Fires banked in two boilers As pres 10 lbs
(Signed) C. P. T. Moore
Ensign

Moons Phase 2d qr Decl. 26°

Examined and found to be correct.
(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Buenos Ayres Arg. Repl and underway making passage to Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. S E	S E	3		29 91	60	55	54		oc	Cum Nimb	0	S	
2			S	"	3		29 91	60	54	53		"	"	0	"	
3			"	"	4		29 91	60	54	53		"	"	0	"	
4			S S W	"	5		29 91	60	54	53		"	"	0	"	
5			W	E S E	5		29 91	59	54	53		"	"	0	"	
6			"	"	4		29 91	58	53	52		"	"	0	"	
7			W by W	"	4		29 94	58	53	52		"	"	0	"	
8			W W	"	4		29 96	58	53	52		oc	"	2	"	
9			W by W	S E by E	4		29 97	58	57	52		"	"	2	"	
10			E S E	"	4		30 00	58	52	50		"	Cum	3	"	
11			S E by E	"	3		30 01	61	54	52		"	"	4	"	
Noon.			"	"	3		30 02	64	55	53		"	Cir Cum	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 200 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S E	E	3		30 03	68	56	54		bc	Cir Cum	5	S	
2			"	"	3		30 03	71	55	54		"	"	3	"	
3			E S E	"	3		30 03	72	55	54		"	"	2	"	
4			E	"	3		30 03	70	53	52		"	"	1	"	
5			E by N	"	3		30 03	65	54	52		"	"	5	"	
6			"	"	2		30 03	65	54	52		"	"	7	"	
7			"	"	2		30 03	63	54	52		bcz	"	7	"	
8			"	"	2		30 03	63	54	52		"	"	8	"	
9			E ½ S.	E N E	2		30 04	63	54	52		"	"	2	"	
10			S E	N E	2		30 03	63	52	51		"	"	1	"	
11			"	"	2		30 05	62	52	51		"	"	1	"	
Mid.			S E by E ¼ E	"	2		30 08	62	52	50		"	"	1	"	

Under direction of Pilot in the Rio de la Plata

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ashley, U. S. Navy,

Tuesday July 29th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy overcast and cool Gentle to stiff breeze from S.E. Fires banked in two boilers Av at pres 10 lbs
(Signed) L. P. Jouett
Master

From 4 to 8 A.M. Overcast and cloudy, with moderate to stiff breeze from E.S.E. Smooth sea Bar rising Fires banked in two boilers Av pres 10 lbs
(Signed) A. G. Lemly
Ensign

From 8 A.M. to Meridn Cloudy first part clearing last part. Moderate to gentle breeze from S.E. by E. Bar rising. Fires banked in two boilers At pres 10 lbs. Quarters at 9.15
(Signed) C. S. T. Moore
Ensign

From Meridn to 4 P.M. Generally cloudy. Cool. Gentle breeze from E. At 1.50 started four forward boilers At 3.30 brought to on port chain and moored in to 2 3/4 fms on port chain
(Signed) L. P. Jouett
Master

From 4 to 8 P.M. Clear and pleasant. with gentle to light breeze from E by N Bar steady Sea smooth At 4.10 got underway and steamed out of Buenos Ayres in charge of Pilot for Montevideo At 6.15 sighted Colonia and Farrallones lights on port beam Ships heading E by S. At 7.30 lost sight of Farrallones and Colonia lights on port quarter Steaming with 6 boilers 50 rev. Av pres 55 lbs.
(Signed) C. S. T. Moore
Ensign

From 8 P.M. to Meid Cloudy and pleasant. Light breeze from E.N.E. to N.E. At 8.15 sighted Ohios light At 9.12 changed course to S.E. and passed Ohios light At 11.55 sighted Isabella light bearing N.E. by E. 1/4 E. Steaming with 6 boilers At pres 55 lbs Rev. 50
(Signed) C. K. Curtis
Lieut

Moon Phase 2d qr. Decl S. 26°

Examined and found to be correct.
(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Underway making passage from Buenos Ayres Arg Rep. to Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SE by E ½ E	E	3		30 18	62	57	50		SC	Cirrus	0	S	Under direction of Pilot
2			E by E	E by N	3		30 10	62	57	50		"	"	0	"	
3			"	N E by E	3		30 10	62	57	50		"	Cum Nimb	0	"	
4			N E ½ E	"	3		30 08	62	57	57		"	"	0	"	
5			"	"	3		30 06	60	57	57		bcz	"	3	"	
6			"	"	3		30 10	60	57	50		"	"	3	"	
7			"	"	2		30 13	60	57	50		"	Cum Str	2	"	
8			"	"	2		30 14	58	57	50		"	"	2	"	
9			"	N E	2		30 14	58	57	50		"	Cirrus	1	"	
10			"	"	1		30 15	60	54	52		"	"	1	"	
11			"	"	1		30 15	62	55	54		"	"	2	"	
Noon.			"	"	2		30 14	62	55	52		"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water ~~condensed~~ during the preceding 24 hours — 100 "

Water remaining on hand fit for use at Noon — 400 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N E	S E	2		30 13	57	57	56		bc	Cirrus	2	S	
2			N E by E	E S E	2		30 13	59	56	54		"	"	2	"	
3			E N E	E by S.	2		30 11	60	55	54		"	"	2	"	
4			S E by E	S E by E	2		30 10	60	54	52		"	"	2	"	
5			E	E S E	2		30 10	62	53	52		"	"	3	"	
6			"	E by S.	2		30 10	62	53	52		"	"	4	"	
7			E N E	"	2		30 10	62	53	52		"	"	5	"	
8			"	"	3		30 12	62	53	52		"	"	6	"	
9			N E by E	E	3		30 15	62	53	52		bcg	"	8	"	
10			N E	"	3		30 15	61	53	52		"	"	5	"	
11			"	E N E	3		30 15	60	53	52		"	"	4	"	
Mid.			N N E	"	3		30 15	60	53	52		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. A. Ashley, U. S. Navy,

Wednesday July 30th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Overcast and cloudy with gentle breeze from E. & NE & NE by E Smooth sea Bar steady Obscured moonlight Standing down the river under direction of Pilot At 220 lost sight of Punta Indio light bearing (pc) W½N. Steaming ⅔ power Rev. 45 St pres 55 lbs. At 325 sighted Monte Video light pc NE.

(Signed) A. G. Lemly
Ensign

From 4 to 8 AM Cloudy and cool with gentle to light breeze from NE by E Bar nearing Sea smooth Steaming in for Monte Video in charge of Pilot At 540 sighted Punta Bank light ship bearing N. At 615 Punta Bank light ship on port beam, ships head NW½W. At 625 sighted Punta Brava light bearing NE by E. Steaming 6 boilers Av rev. 40 Av pres 55 lbs

(Signed) C. S. T. Moore
Ensign

From 8 AM to Meridn Generally cloudy Hazy Light airs from NE At 840 moored in the harbor of Monte Video with 45 fms chain on the starboard chain and 20 fms on port Bearing of anchorage. Rat Islands NW¼W St. NE corner of Custom House (pc) E½S. Draught of water Forward 13 ft. 6 in Amid. 14 ft 7½ in Aft 15 ft 9 in Received official visits from the Brazilian, Italian, and Spanish men of war At 1130 lowered topsails Fires banked in two boilers St pres 25 lbs. Distiller in operation By order of Comdg Officer confined Wm Robinson (Ord) in solitary confinement bread and water for neglect of duty

(Signed) L. P. Jouett
Master

From Meridn to 4 PM Cloudy but pleasant. Light breeze varying between SE & E by S. Sea smooth Bar falling slowly At 130 bent topsails and courses Recd in Pay Dept. the following stores viz. 12 bbls. pork. 5 lbs Beef. 27 cases pickles 14 Sacks bread. 8 bbls Molasses 7 bbls Sugar 4 bbls Coffee 4 Pkg Tea. 1 casks vinegar also fresh beef and vegetables for crew. At 3. Brazilian iron clad "Veta de Septembo" manned yards flying Brazilian ensign at main Fires banked in two boilers St pres 25 lbs. Distilling Clear hawse

(Signed) A. G. Lemly
Ensign

From 4 to 8 PM Cloudy and cool Light breeze from E & S E and E by S. At 455 called all hands and shifted berth Moored with 30 fms chain on each anchor Fires banked in two boilers Av pres 25 lbs Distilling

(Signed) L. P. Jouett
Master

From 8 PM to Mid Partially clear cool. Gentle breeze from E and E NE. Smooth sea Bar steady Obscured moonlight Fires banked in two boilers Av pres 25 lbs. Distilling By order of Comdg Officer Thos Matthews (Ord) a prisoner at large awaiting trial by summary court martial was placed in irons for the night for safe keeping ~~Chain~~ Crossed in hawse port chain on top

(Signed)
Ensign

Moored ~~chased~~ 3d qr Dec A. 24°

Examined and found to be correct

(Signed) C. K. S. Curtis Jr.
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N by E	E NE	1		30 14	60	52	50		oc	Cir Cum	0	A	
2			E NE	"	1		30 14	60	53	50		"	"	0	"	
3			E	E	1		30 17	59	52	50		"	"	0	"	
4			NE	"	1		30 10	59	52	50		"	"	0	"	
5			NE by E	E by N	2		30 10	59	52	50		C	"	1	"	
6			"	"	2		30 10	59	52	50		"	"	1	"	
7			"	"	3		30 10	60	52	50		"	"	0	"	
8			"	"	3		30 10	60	53	52		"	"	1	"	
9			E	E	4		30 12	63	54	52		bC	Cir Cumst + Nimt	2	"	
10			N E by E	N E by E	4		30 12	65	55	54		"	"	3	"	
11			E by N	E N E	4		30 11	68	55	54		"	"	1	"	
Noon.			E NE	"	4		30 10	68	56	55		"	"	1	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 700 "

Water remaining on hand fit for use at Noon 1600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			E N E	E N E	4		30 05	68	59	58		bC	Cir Cumst + Nimt	2	A	
2			"	E by N	4		30 03	68	59	58		"	"	2	"	
3			"	"	4		30 03	66	57	58		oc	"	0	"	
4			"	"	4		29 99	65	56	55		"	"	0	"	
5			E	"	4		29 97	64	56	55		"	"	0	"	
6			E by N	"	3		29 95	63	55	55		"	"	0	"	
7			"	E N E	3		29 95	63	55	54		"	"	0	"	
8			E N E	"	3		29 93	63	56	54		"	"	0	"	
9			"	"	3		29 93	63	56	55		"	Cir Cum	0	"	
10			N E	N N E	3		29 93	63	56	55		"	Cum	0	"	
11			N N E	"	3		29 91	63	56	55		"	"	0	"	
Mid.			"	"	3		29 91	63	56	55		oc/ms	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. A. Schley, U. S. Navy,

Thursday July 3rd, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Obscured moonlight. Light airs from E. N.E. to E. Fires banked in two boilers Distilling As at pres. 25 lbs. Moored in hawse port chain on top

(Signed) Lt. Jewett

From 4 to 8 A.M. Cloudy and cool. Light to gentle breeze from E by S. Engaged in coaling ship. Fires banked in two boilers As pres 25 lbs Distilling

(Signed) L. P. Jewett
Master

From 8 A.M. to Meridn Cloudy but pleasant. Moderate breeze from E.N.E. Smooth sea Bar falling slowly Fires banked in two boilers At pres 25 lbs. Distiller in operation At noon finished coaling ship having received on board 92 tons. Moored in hawse port chain on top

Signed A. G. Lemly
Ensign

From Meridn to 4 P.M. Cool and cloudy Moderate breeze from E.N.E. to E by N. Bar falling Sea smooth Fires banked in two boilers As pres 25 lbs. Distilling Moored in hawse port chain on top

Signed C. P. T. Moore
Ensign

From 4 to 8 P.M. Overcast cool and damp. Moderate to gentle breeze from E by N to E.N.E. Bar falling Sea smooth Fires banked in two boilers As pres 25 lbs. Moored in hawse port chain on top

(Signed) A. G. Lemly
Ensign

From 8 P.M. to 4 Midy Overcast and damp with gentle breeze from E.N.E. to N.N.E. Misty last hour Bar falling Sea smooth Fires banked in two boilers As pres 25 lbs. Distilling Moored in hawse port chain on top

Signed C. P. T. Moore
Ensign

Examined and found to be correct.

(Signed) C. K. Curtis
Lt.

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Monte Video Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNE	NNE	2		29 89	63	57	55		cdm	Cir	0	S	
2			"	"	2		29 88	63	56	55		cl	Cir Cumi	0	"	
3			"	"	2		29 85	63	57	56		"	"	0	"	
4			NE by N	NE	2		29 88	63	57	56		"	"	0	"	
5			E. E by S.	E.	1		29 85	62	57	56		"	"	0	"	
6			E. S. E.	E by S.	2		29 85	63	56	56		"	"	0	"	
7			S. by E	"	2		29 86	63	55	55		cdf	"	0	"	
8			"	"	2		29 89	62	54	54		"	"	0	"	
9			"	SE. S. E	3		29 88	65	54	53		"	Fog.	0	"	
10			E. S. E	"	4		29 90	66	54	54		"	"	0	"	
11			"	"	4		29 90	66	54	54		"	Cumi	0	"	
Noon.			E. E	E S E by E	4		29 90	66	54	54		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300 gallons.		
Water Condensed during the preceding 24 hours	600 "		
Water remaining on hand fit for use at Noon	1900 "		
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.															
1			E	E by N	2		29 90	65	54	54		cdf	Cum Nimb	0	S
2			"	"	2		29 90	64	54	54		"	"	0	"
3			"	E by N.	2		29 90	64	55	55		"	"	0	"
4			"	"	2		29 90	60	56	56		"	"	0	"
5			E. E. S	E	2		29 90	62	55	54		"	"	0	"
6			"	"	2		29 90	64	55	54		"	"	0	"
7			"	"	2		29 92	65	55	54		"	"	0	"
8			"	"	2		29 94	65	55	54		cl	"	4	"
9			E S	"	2		29 95	65	55	54		"	"	8	"
10			E by E	"	2		29 95	64	54	53		"	"	2	"
11			E	"	1		29 95	64	54	53		"	"	3	"
Mid.			N by E	"	1		29 95	64	54	53		"	"	3	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Friday August 1st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Overcast and cloudy with heavy mist first part of watch Light airs from N NE & NE. Sea smooth Bar unsteady Fires banked in two boilers At press 15 lbs At 4h Stopped distilling

(Signed) L. P. Jouett
Master

From 4 to 8 AM Overcast and cloudy. Foggy last two hours Light breeze from E. and E by S. Fires banked in two boilers Clear hawse

(Signed) C. K. Curtis.
Lieut.

From 8 AM to Merid. Overcast foggy and cool Gentle to moderate breeze from S. E to S. E by E. Bar rose from 29.88 to 29.90 Started distiller at 8.55 Quarters for inspection at 9h James Stanton (Lds) was this day discharged from the Naval Service at his own request relinquishing all claims on the U.S. Government. Fires banked in two boilers Av. st press 35 lbs Distilling Clear hawse

(Signed) C. P. D. Moore
Ensign

From Merid to 4 PM Generally cloudy Hazy Light airs from S. E to S E by S. Smooth sea Bar steady at 2h 15 cleared cross cut of hawse Fires banked in two boilers Av press 25 lbs Distiller in operation Hawse clear at ends of watch

(Signed) L. P. Jouett
Master

From 4 to 8 PM Overcast cloudy and damp first three hours of watch Clear last hour Light breeze from E. Bar rising Sea smooth. Fires banked in two boilers Av press 25 lbs. Distilling Clear Hawse

(Signed) C. P. D. Moore
Ensign

From 8 PM to Mid Cloudy and cool Light airs from E. Fires banked in two boilers Av press 25 lbs Distilling Elbow in hawse.

(Signed) L. P. Jouett
Master

Moons phase Full moon Dec. 2d 17h

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES *Steamer "Essex"* 3d Rate, 6 Guns,

At sea Making passage from Monte Video Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNW	SSW	2		29 95	62	55	54		bwz	None	10	S	
2			N	SSE	2		29 98	62	55	54		z	"	0	"	
3			"	"	2		29 99	62	54	54		"	"	0	"	
4			"	"	2		30 00	61	54	53		"	"	0	"	
5			N by W	NE	3		29 98	61	51	51		of	"	0	"	
6			"	NNE	3		29 98	60	50	50		"	"	0	"	
7			SSE	N	3		29 99	58	42	42		"	"	0	"	
8			SSE by E	NNW	3		30 01	61	43	43		"	"	0	"	
9			"	"	3		30 01	63	46	46		"	"	0	"	
10			"	N	2		30 05	63	46	46		"	"	0	"	
11			"	"	2		30 05	61	54	52		bz	"	10	"	
Noon.			"	"	2		30 05	60	54	52		"	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Sq No — Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

601 — Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 550 "

Water remaining on hand fit for use at Noon — 2100 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			ESE ½ E	SSE	2		30 00	60	57	55		bz	None	10	S	
2			"	"	2		29 97	58	57	55		"	"	10	"	
3			"	ESE by E	2		29 97	58	54	55		"	"	10	"	
4			"	NE	2		29 97	58	55	53		"	"	10	"	
5			ESE ½ E	"	2		29 96	60	53	54		b	"	10	"	
6			ESE	"	2		29 92	60	53	52		"	"	10	"	
7			ESE ½ S	"	2		29 96	60	52	52		"	"	10	"	
8			ESE	Calms	2		29 98	60	51	51		"	"	10	"	
9			NE by E ½ E	NNW	1.0		29 99	60	51	50	54	"	"	10	"	
10			"	"	3		29 99	60	50	54	54	"	"	10	"	
11			"	"	3		30 00	59	50	54	54	"	"	10	"	
Mid.			"	"	3		30 00	59	50	52	54	"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Saturday Aug 28, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M Foggy last three hours of watch Light breeze from S.S.W. first hour afterwards S. & Smooth sea. Bar rising Fires banked in two boilers Moored in hawse port chain on top

(Signed) A. C. Leonly
Ensign

From 4 to 8 A M Foggy and cool Gentle breeze from NE to NNW. Bar rising Sea smooth Fires banked in two boilers As press 25 lbs. Distilling Moored in hawse

(Signed) Lo. P. T. Moore
Ensign

From 8 A M to Merid First part of watch foggy. last part clear and pleasant. At 10 hove up starboard anchor and hove into 15 fms on port chain At 11.50 called all hands up anchor. Got underway. Standing down river Fires in six boilers As press 50 lbs. Stopped distiller at 12 m.

(Signed) L. P. Jocett
Master

From Merid to 4 P M Cloudless but hazy about horizon. Pleasant. Smooth sea. Bar falling slowly. Standing down the Rio de la Plata Fires in 6 boilers As press 55 lbs. Rec 50 By order of Comdr W. C. Robinson (Ldr) was released from confinement At end of watch: Punta Negra bore (pc) NE by E ½ E. Sighted a number of sail during watch

(Signed) A. C. Leonly
Ensign

From 4 to 6 P M Clear and pleasant with light breeze from NE. Bar 29.92 at 6 At 4.45 changed course to E ¼ N. and at 5.45 changed it again to E. At 5.45 sighted East Point light Steaming with six boilers As press 55 lbs Rec 51. Sent T.D. sails and crossed T.G. yards.

(Signed) Lo. P. T. Moore
Ensign

From 6 to 8 P M Clear and pleasant Light airs from S.E. Calm last hour Smooth sea Standing down river At 7.45 Maldonado light house bore (pc) N. Steam in six boilers As rec. 50 As at press. 55 lbs

(Signed) L. P. Jocett
Master

From 8 P M to Mid Cloudless and cool with gentle breeze from N.N.W. Smooth sea Bar steady Bright moonlight At 8.35 took departure of Lobos Island light (pc) N.W. ¼ W. distant 3 miles At 8.40 sighted San Jose Ignacio light (pc) N.E. by N. At 10.25 lost sight of Punta del Este light (pc) N. At same time San Jose Ignacio light bore (pc) N by W ¾ W. At 10.55 San Jose Ignacio light bore (pc) N.W. and at end of watch (pc) W by N ¾ N. Sighted several sail and lights during watch. At 11.30 a steamer passed standing to N.E. & E. Steaming ¾ power. Rec. 50 At press. 55 lbs.

(Signed) A. C. Leonly
Ensign

Moons phase 3d qr. Dec D. 12°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At Sea Making passage from Monte Video Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	1	NE by E ½ E	North	4		30 00	59	51	50	54	b w	None	10	S	Steam alone
2	7	1	"	"	4		30 00	59	51	50	54	"	"	10	"	
3	7	1	"	"	4		30 00	59	51	50	54	"	"	10	"	
4	7	0	"	"	3		29 98	58	51	49	54	b c w	Cir	9	"	
5	6	8	"	"	1.2		29 95	57	52	50	54	b c	Cir Str	9	"	
6	6	8	"	NNE	1		29 95	57	54	50	54	"	"	9	"	
7	6	8	"	"	1		29 95	57	53	52	55	"	"	8	"	
8	Standing in for Island Castillos			"	1		29 95	57	53	51	55	"	"	8	"	
9	3	50	E by N	ENE	3		29 98	57	55	54	55	"	"	5	"	
10	6	4	"	"	3		29 98	57	56	54	55	"	"	4	"	
11	6	2	"	"	3		29 95	57	55	54	55	"	Cir Cum	2	"	
Noon.	6	2	"	"	3		29 93	57	56	54	55	"	"	3	"	

Distance run by Log since preceding Noon — knots 53 — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — W. 53 ° 19' 00"

Latitude by Observations at Noon ⊙ — S. 34 ° 20' 00"

Sq No 602 Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 200 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1900 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.															
1	6	4	E by N ½ N	ENE	3	29 90	58	56	54	55	b c	Cum Nimb	2	S	Steam Alone
2	6	4	"	"	3	29 88	58	56	54	55	"	"	1	"	
3	6	0	"	"	4	29 85	58	57	56	55	c	"	0	"	
4	6	0	"	"	4	29 84	58	57	56	55	"	"	0	"	
5	6	0	"	"	4	29 83	58	56	56	55	"	"	0	"	Steam Alone
6	3 3	0 2	E ½ E	"	4	29 81	60	56	56	55	"	"	0	"	
7	5	2	"	"	4	29 80	60	57	56	55	c b	Nimb	0	"	
8	5	5	"	"	4	29 79	60	57	56	55	"	"	0	"	None
9	5	6	"	"	4	29 77	60	58	58	55	n b	Cum Nimb	0	"	Steams alone
10	5	4	"	NNE	5	29 76	60	56	56	55	o f	"	0	L	Set F & A sails except
11	5	6	"	"	5	29 75	60	55	56	55	"	"	0	"	F. jib & G topsail
Mid.	5	5	"	"	3	29 75	60	55	56	55	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Sunday Aug 3d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 a M Clear and cool Heavy dew. Moderate to gentle breze from N. At 1205 lost sight of Punta Piedras light on port quarter At 1225 sighted Santa Maria light bearing N by E ¼ E. At 200 Santa Maria light bore (pc) N N W. ¼ W. At 2.33 it bore N W. at 257 Santa Maria light N W ½ W. and at 357 having run 7 miles from last bearing it bore W N W ¾ W At 4.00 light of Santa Maria light At 240 got cast of deep sea lead in 77 fms water gray sand black specks and fine white shells Santa Maria light N W. Steaming with 6 boilers Av at pres 55 lbs Rev 48.

(Signed) C. D. F. Moore.
Ensign

From 4 to 8 P. M. Clear and pleasant. Light breze to light airs from N by N N E At 420 got a cast of the lead in 20 fms gray sand and at 445 got a cast in 21 fms. mud & sand. Polinais Point bearing N W ½ W. changed course to N At 615 changed course to N N W. at at 650 to N N W ½ W. Steaming in for Castillo Island. Steaming with six boilers Av at pres. 55 lbs Rev. 48.

(Signed) C. K. Curtis
Lieut.

From 8 A M to Merid Cloudy but pleasant Gentle breze from E N E. Smooth sea Bar falling At 830 took departure from Castillo Island (pc) N ¾ E. Castillo Island Point S. W by W. Set course at E by N Sounding every half hour At 945 inspected divisions and at 10 Comdr inspected ship and crew at quarters Called all hands read articles for Better government of Navy. and prayers then mustered crew. Sighted several sail during watch At end of watch a steamer on starboard bow standing to N E. Steaming ¾ power Rev. 48 At pres 55 lbs. At 12 changed course to E N E ¾ E.

(Signed) L. C. Lemly
Ensign

From Merid to 4 P M Cloudy and cool with gentle to moderate breze from E N E. Bar falling Sea smooth Ran courses E by N ¼ N sounding every half hour Sent royals and crossed royal yards Exchanged colors with P. S. N Co steamer bound to the S & W Steaming with 6 boilers Av pres 55 lbs.

(Signed) C. D. F. Moore
Ensign

From 4 to 6 P M Overcast Moderate breze from E N E. Took three soundings at 4.30 5 & 5.30 bottom at 27½. 20. & 18½. respectively At 530 changed course to E N E.

(Signed) L. P. Jouett
Master

From 6 to 8 P M Cloudy and cool Ship on the course E N E. Steaming ¾ power with moderate breze ahead Sea smooth Bar falling Lightning to N E At pres 55 lbs. Rev 48.

(Signed) L. C. Lemly
Ensign

From 8 P M to Mid Overcast and damp At 11 set in thick fog Bar falling. Long swells from E N E. On course E N E at 1000 set fore and aft sail except Flying jib and Gaff topsail Steaming with 6 boilers Av at pres 55 lbs Rev 45

(Signed) C. D. F. Moore
Ensign

Moons phase 3d qr Dec A. 7°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At Sea Making passage from Monte Video Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																Jib & F. T. Staysail M topsail
1			E by S	N by E		4	29 74	61	56	56	63	cloudy	Cum Nimb	0	L	and spanker
2			"	N		5.6	29 71	61	56	56	63	cloudy	"	0	"	
3			"	N by W		4	29 71	61	58	58	63	"	"	0	"	Took in jib and spanker
4			"	"		4.9	29 65	61	58	58	63	"	"	0	"	
5			"	"		4.7	29 65	61	59	59	63	cloudy	Nimb	0	R	Close reefed topsails single reefed foresail & spanker M. try sail & F. T. staysail
6			"	"		4.7	29 70	61	59	58	63	"	"	0	"	
7			"	"		3.5	29 73	61	59	58	63	cloudy	"	0	M	
8			"	"		3.5	29 73	61	59	59	63	"	"	0	"	
9			"	N N W		4	29 78	61	62	62	65	cloudy	"	0	"	Sails alone
10			N E by E ½ E	N W		3	29 80	63	62	62	67	cloudy	"	0	"	All plain sails except
11			"	"		3	29 79	63	62	62	67	cloudy	"	0	L	M sails & F. T. staysail
Noon.			"	"		3	29 75	63	62	62	67	"	"	0	"	

P. M.																
1	1	4	N E by E N E N E by E	N W by W	2	29 72	63	62	62	67	cloudy	Nimb	0	L		
2	1	6	"	N W N W	2	29 73	63	62	62	67	"	"	0	"	Took in M sail spanker gaff topsails and flying jib	
3	1	6	"	N W	2	29 75	63	62	62	67	"	"	0	"		
4	2	0	"	N.	3	29 76	63	62	62	67	"	"	0	"	Set M sail and spanker	
5	2	2	"	N by W	3	29 80	65	64	63		cloudy	"	0	"	Took one reef in topsails royals & top gallant sails	
6	2	0	"	N. W by N.	2	29 81	65	64	63		"	"	0	"	Took in spanker	
7	0	0	N N E	N. N E	2.0	29 81	65	64	62		"	"	0	"	Double reefed topsails hauled up courses Set F. T. staysail & hauled down and stowed jib	
8	0	0	N N.	Calm	0	29 84	65	64	62		"	Calm Nimb	0	"		
9	0	0	No steerage way		0	29 86	65	63	64		cloudy	"	0	"		
10	2	6	N E by E	N. N W N W	4	29 88	65	63	63		cloudy	"	0	"	Set Foresail	
11	3	8	"	N N. W	4	29 90	65	63	62		"	"	0	L		
Mid.	4	0	"	"	5.6	29 90	65	63	62		"	"	0	"		

Distance run by Log since preceding Noon — 122 knots 8 ~~fathoms~~ miles

Latitude by D. R. at Noon — S 33 ° 55' 42"

Longitude by D. R. at Noon — W. 50 ° 46' 00"

Latitude by Observations at Noon ⊙ — ° ' "

Sq No 602 Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1600 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander C. K. Curtis, U. S. Navy,

Monday Aug 4th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a.m. Cloudy and overcast the entire watch Foggy first and hazy last three hours Squally At 315 a very heavy squall struck the ships from N & W took in jib & spanker. On courses S & E Fires in 6 boilers Av pres 55 lbs. Rev 48. Long swell from S & E.

(Signed) L. P. Jouett
Master

From 4 to 8 A.M. Overcast cloudy and squally from N by W. Heavy squall at 445 Foggy last two hours moderating and fog lifting latter part of watch At 7 set close reefed topsails and single reefed foresail and spanker Steaming 6 boilers Av pres 55 lbs. Rev 38.

(Signed) C. K. Curtis
Lieut.

From 8 A.M. to Midt Overcast and squally with light breezes from N N W. At 855 a heavy bank of clouds passed over hauling the wind to W.S.W. for a short time At 840 shook a reef out of the topsails and hoisted jib At 855 took in spanker and M trysail and jib At 905 set spanker 910 shook another reef out of topsails hoisted jib and took in F.T. staysail Set T.G. sails At 10 shook reef out of topsails and set royals flying jib and gaff topsails At 830 stopped steaming and at 930 hauled fires Bar unsteady Long swells from W.S.W by W. At 10. Summary Court Martial met for the trial of Thomas Matthews (Lds)

(Signed) C. D. T. Moore
Ensign

From Midt to 4 P.M. Overcast and cloudy. Hazy around horizon Light variable winds from N N W to S. Long swell from W.S.W At 1210 changed courses to W.S.W by S. At 145 squared yards and hauled up mainsail and took in spanker and gaff topsail At 215 took in flying jib At 345 set mainsail and spanker At 13g Summary Court Martial adjourned to await action of Comdg Officer. Spoke French Brig N. N. L. R thirty days from Cape Town to Monte Video Gave our longitude

(Signed) L. P. Jouett
Master

From 4 to 6 P.M. Overcast and cloudy with occasional showers of passing of rain Gentle to light breezes from S by W to S W by S. Long swell Bar rising At 425 took in royals & spanker At 5. took one reef in topsails and at 540 took in T.G. sails

(Signed) S. C. Lemly
Ensign

From 6 to 8 P.M. Overcast with passing showers Light breezes from S. S.E to calm Bar rising At 605 took second reef in topsails and hauled up courses Hauled down & stowed jib and set F.T. staysail No steerage way ship falling off to N W by W.

(Signed) C. D. T. Moore
Ensign

From 8 P.M. to Mid. Overcast cloudy and squally with passing showers of rain and calm first hour At 910 light airs from W. sprung up increasing afterwards to fresh breezes from S. S W. At 930 set Foresail Ves courses W.S.W by S.

(Signed) L. P. Jouett
Master

Moons phase 3d qr Dec 5, 1°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At sea Making passage from Monte Video Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	0	NEby E	Aby E	5		29 90	64	62	62	67	oc	Cum Nimb	0	M	
2	4	2	"	"	5.6		29 90	64	61	60	67	"	"	0	"	
3	4	0	"	"	5.6		29 98	64	61	60	67	"	"	0	"	
4	4	0	"	E	5		29 90	64	61	60	67	"	"	0	"	
5	4	0	"	E. by E	4.5		29 93	64	61	60	67	"	"	0	"	
6	4	0	"	"	4.5		29 95	63	60	58	67	"	"	0	"	
7	4	0	"	E by N	4.6		29 97	63	60	58	67	"	"	0	"	
8	6	4	"	NE	5.7		29 97	63	59	58	67	"	"	0	"	
9	6	0	"	NE by E	5.7		29 97	63	58	57	66	oc rq	"	0	"	
10	4	4	"	"	6.8		29 98	62	57	57	66	"	"	0	"	Double reefed T'gallt sails
11	4	0	NbE	NE	6.8		29 99	62	57	56	66	"	"	0	"	
Noon.	4	8	NEby E	NNE	6.8		29 99	62	57	56	66	rcq	"	0	"	

Lat. obs. 33° 20'

Distance run by Log since preceding Noon 75 knots 8 ~~fathoms~~ tenths.

Latitude by D. R. at Noon S. 33 ° 20 ' 42"

Longitude by D. R. at Noon W 49 ° 25 ' 42"

Latitude by Observations at Noon ⊙ ° ' "

Lg No 603 Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 200 gallons.

Water during the preceding 24 hours " "

Water remaining on hand fit for use at Noon 1400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	5	2	NEby E ½ E	S. SE	7.8		29 95	60	56	56	65	oc pcq	Cum Nimb	0	R	Close reefed M. sail fore sail
2	6	2	"	"	8.9		29 91	60	55	55	65	"	"	0	"	and topsails
3	6	0	"	"	8.9		29 90	60	55	55	65	"	"	0	"	
4	5	6	"	"	8.9		29 92	63	55	55		"	"	0	"	
5	4	6	"	SE	8.9		29 93	69	55	54		oc q wpc	Nimb	0	"	Close reefed topsails and
6	4	0	"		8.9		29 95	68	56	54		"	"	0	"	foresail and F. T. staysail
7	3	8	"	SEby S.	9.9		29 92	66	55	55		oc rq	"	0	"	
8	3	8	"	"	9.9		29 92	66	55	55		"	"	0	"	Took in F. T. staysail and
9	3	0	"	"	8.9		29 92	65	55	55		"	"	0	"	set fore storm staysail
10	2	5	"	"	8.9		29 95	68	56	54		"	"	0	"	
11	2	4	"	"	8.9		29 97	68	56	56		"	"	0	"	
Mid.	2	4	"	"	8.9		30 00	68	56	54		"	"	0	"	

Lat. obs. 33° 03'

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ackley., U. S. Navy,

Tuesday Aug. 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m. Overcast cloudy and cool Stiff to fresh breeze from S. by W and S. Moderate sea Ship under foresail double reefed topsail and fore topmast staysail On course NE by E Obscured moonlight Bar steady 2990

(Signed) A. B. Lemly
Ensign

From 4 to 8 a m Overcast and cloudy. Moderate to stiff breeze first part of watch from S. S. E increasing to very fresh breeze and hauling to SE latter part At 5 set mainsail at 6 45 shook reef out of topsails and set jib Moderate sea Bar rising 2997 at ends of watch

(Signed) C. K Curtis
Lieut

From 8 a m to Meridn Overcast and cloudy and rainy Blowing in squalls in a moderate gale from SE to S SE. Moderate sea Bar rising At 9 15 double reefed the topsails At 11 changed course to NE by E. 1/2 E At 11 50 started fires in two boilers

(Signed) L. P. Jouett
Master

From Meridn to 4 P M Overcast cloudy rainy and squally with moderate to strong gale from S. S. E. Rough sea Bar unsettled On course NE by E 1/2 E At 2 close reefed foresail and at 2 25, the topsails Got up and bent the muggers staysail and storm muggers At 1 took close reef in mainsail and started two fires in two boilers for heating ship

(Signed) A. B Lemly
Ensign

From 4 to 8 P M. Overcast squally and ugly threatening weather with moderate to strong gale from S. E. At 4.10 took in and furled mainsail Bar rising Sea rough On course NE by E 1/2 E Spread fires and started fires at 4 30 in two extra boilers Pressure in two boilers 25 lbs Distilling

(Signed) C. B. T Moore
Ensign

From 8 to 8 P M. Overcast cloudy and rainy Blowing a moderate to fresh gale from SE by S. Rough sea At 7 took in F. T staysails and set fore storm staysail Fires banked in four boilers Ac pres 45 lbs Distilling

(Signed) L. P. Jouett
Master

From 8 P M to Mid Cloudy squally and rainy Moderate to strong gale from S E by S. Heavy sea Ship rolling moderately Bar rising Ship on course NE by E 1/2 E. under close reefed topsails and foresail and fore storm staysail Got cast of lead at 8 30 and 11 45 no bottom at 90 fms Fires banked in four boilers Ac pres 45 lbs. (Signed) A. B. Lemly
Ensign

Moons phase 3d qr Dec N 4°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At Sea Making passage from Montevideo Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	5	NEby E ½ E	S. E	8.9		29 97	69	57	56		ocqp	Cum Nim	0	R	Close reefed topsails
2	3	0	"	"	8.9		29 99	67	57	56		"	"	0	"	and foresail and fore storm
3	3	4	"	"	8.9		30 00	66	56	55		"	"	0	"	stay sail
4	3	4	"	"	8.9		30 00	66	56	55		"	"	0	"	
5	3	2	"	S. E by S.	7.8		30 00	65	57	56		ocqd	"	0	"	Shook out one reef from topsails set mainsail
6	4	0	"	"	7.8		30 02	64	57	56		ocq	"	0	"	and F.S. stay sail
7	4	6	"	"	7		30 04	64	57	56		"	"	0	"	
8	4	8	"	"	7		30 05	63	57	56		"	"	0	"	
9	4	8	"	"	7		30 10	68	58	57	65	"	"	0	"	Shook one reef out of foresail hauled down fore storm stay sail
10	2 2	0 6	NEby E	"	7		30 17	68	58	57	65	"	"	0	"	Shook second reef out of topsails and set F.S. sails
11	5	2	"	"	7		30 15	71	59	58	65	ocqp	"	0	"	Jib and flying sail
Noon.	5	8	"	"	7		30 15	73	67	67	65	"	"	0	"	

Distance run by Log since preceding Noon 98 knots ~~8 fathoms~~

Latitude by D. R. at Noon S 32 ° 13 ' 00 "

Longitude by D. R. at Noon W. 48 ° 01 ' 12 "

Latitude by Observations at Noon ⊙ S 32 ° 13 ' 04 "

Sg No. Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

603 Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 1000 "

Water remaining on hand fit for use at Noon 7100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	5	8	NEby E NE	S. E by S.	6.7	30 12	73	67	57	65	ocqp	Cum Nim	0	M	Single reefed topsails fore sail double reefed M. sail T.G. sails set F. stay sail and spanker
2	5	8	"	"	6.7	30 12	72	68	57	65	"	"	0	"	
3	5	5	"	"	6.7	30 10	68	69	57	65	"	"	0	"	
4	6	7	"	"	6.7	30 10	67	69	57	65	ocqp	"	0	"	Took in T.G sails and doubled reefed the topsails Took in jib and spanker
5	6	9	"	"	6.7	30 12	63	69	57	65	oq	"	0	R	
6	5	6	"	"	6.	30 12	67	69	57	65	ocqp	"	0	"	
7	4	8	"	S. S E	6.7	30 15	66	68	68	65	"	"	0	"	
8	4	8	"	"	6.7	30 15	66	68	68	65	"	"	0	"	
9	4	7	NE ½ N	S. E by S.	6.7	30 17	66	68	68	67	ocq	"	0	M	Double reefed topsails double reefed mainsail and foresails and fore top mast stay sail
10	4	7	"	"	6.7	30 18	66	69	68	67	"	"	0	"	
11	4	8	"	"	6.7	~~30 19~~	66	69	68	68	"	"	0	"	
Mid.	5	0	"	"	6.7	30 19	66	60	69	69	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Schley. , U. S. Navy,

Wednesday Aug 6th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and wateh 4 a M Overcast equally with passing showers Moderate to strong gale from S.E. blowing in gusts Ship rolling and pitching deeply but easily Fires banked in four boilers Av pres 45 lbs Distilling On course NE by E 1/2 E.

(Signed) L. P. Jouett
Ensign

From 4 to 8 P M Overcast cloudy and equally with drizzling rain the first hour of watch Moderate gale decreasing to very fresh breeze from S E by S. Rough sea At 5 got a cast of lead no bottom at 95 fms At 6 shorts out one reef out of topsails and set mainsail and fore topmast staysail Fires banked in four boilers Av pres 45 lbs. Distilling On course NE by E 1/2 E

(Signed) L. P. Jouett
Master

From 8 P M to Merid Overcast cloudy and equally with passing showers of drizzling rain latter half. Rough sea Bar rising Very fresh breeze from S E by S. At 8 10 shorts reef out of fore sail 8 40 hauled down fore storm stay sail At 9 15 mustered at quarters 9 20 changed course to NE by E. 9 30 shorts second reef out of topsails set J.B. sails jib and storm mizzen At ends of watch on course NE by E under foresail double reefed mainsail single reefed topsails J.B sails jib J.T staysail and storm mizzen Fires banked in four boilers Av at pres 45 lbs. Distilling

(Signed) A. C. Lemly
Ensign

From Merid to 4 P M Cloudy and equally with passing showers Fresh to very fresh breeze from S E by E. Bar falling Moderate sea At 12 10 changed course to NE. At 45 hauled down storm mizzen and set spanker. On course NE. Fires banked in four boilers Av pres 45 lbs. Distilling

(Signed) C. D. T. Moore
Ensign

From 4 to 8 P.M. Overcast cloudy and equally with drizzling rain last hour very fresh to fresh breeze from S E by E. At sundown took in T. S sails and double reefed the topsails Fires banked in four boilers Av pres 45 lbs. Distilling

(Signed) L. P. Jouett
Master

From 6 to 8 P.M. Overcast equally with occasional passing showers of drizzling rain On the course NE. with fresh to very fresh breeze from S. S E. and rough sea Bar steady 3 a 5 At 6 45 took in jib and spanker Ship under double reefed topsails and mainsail whole foresail and fore topmast staysail. Fires banked in four boilers Av at pres. 45 lbs. Distilling

(Signed) A. C. Lemly
Ensign

From 8 P M to Mid Overcast and equally with fresh to very fresh breeze from S E by E. Bar rising Moderate sea. At 8 10 changed course to NE 1/2 N. On course NE 1/2 N Ship rolling deeply at times Fires banked in four boilers Av pres 45 lbs. Distilling

(Signed) C. D. T. Moore
Ensign

Moons phase 3d qr Dec N 9°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At Sea Making passage from Montevideo Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	0	N E ½ N	S E	5.6		30	19	66	59	58	66	ocq	Cum Nimt	0	R	Double reefed topsails foresail
2	4	4	"	"	4.5		30	17	66	59	58	66	"	"	0	"	and fore topmast staysail
3	3	4	"	S E by E	4		30	17	66	59	58	66	"	"	0	"	and close reefed mainsail
4	3	6	"	"	5		30	15	66	59	58	66	bcpl	"	1	"	
5	3	2	"	"	4.7		30	15	65	60	59	67	bcq	"	2	M	Double reefed Main sail and
6	3	4	"	S E	4.7		30	15	65	61	60	67	"	"	2	"	plain sail & topsails except
7	3	2	"	E S E	4.7		30	15	65	62	60	67	"	"	3	"	spanker
8	3	2	"	"	4.7		30	17	65	62	62	67	"	"	4	"	
9	4	8	N E by N	E by S	5.6	¼	30	19	65	63	62	69	"	"	1	"	
10	5	6	N N E ½ E	"	5.6	¼	30	18	65	63	62	69	"	"	2	"	Plain sails & Topsails except
11	6	2	N N E ½ E	"	5.6	¼	30	18	65	63	62	69	"	Cir Cum & Nimt	3	"	double reef in mainsail
Noon.	3	6	N E by N	"	5.6	¼	30	17	65	63	62	69	ocq.	"	0	"	

Distance run by Log since preceding Noon 114 knots 7 ~~tenths~~ fathoms.

Latitude by D. R. at Noon S. 30 ° 47 ' 48"

Longitude by D. R. at Noon W. 46 ° 32 ' 12"

Latitude by Observations at Noon ⊙ ° ' "

Sq No Longitude by Chronometer from Forenoon Observations ⊙ W. 46. ° 14 ' 53"

603 Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 600 gallons.

Water Condensed during the preceding 24 hours 700 "

Water remaining on hand fit for use at Noon 2500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	6	5	N. N E ½ E	E by S.	5.6	¾	30	15	66	63	62	69	ocqpl	Cum Nimt	0	M	Took in T Sails and gaff
2	6	0	N N E ¼ E	"	5.6	¾	30	15	70	63	62	69	bcq pl	"	1	"	topsail
3	5	8	N N E ¾ E	"	5.7	¾	30	12	69	63	62	69	ocq pl	"	0	"	Set topgallant sails
4	6	0	N E by N	"	5.7	½	30	12	68	63	62	69	"	"	0	"	Took in topgallant sails
5	6	2	N N E	"	6.7	½	30	10	68	64	63	69	"	"	0	R	Double reefed topsails took
Sq No 6	5	2	"	"	6.7		30	10	68	64	63	69	"	"	0	"	in jib and spanker
614	7	4	5	N N E ¼ E	"	7.8	1	30	08	67	64	63	69	bcq	"	0	"	Taking close reef in M Top
	8	4	7	N N E	E	7.8	1	30	05	67	64	63	69	"	"	0	"	
	9	4	5	N by E ½ E	"	7.8	1½	30	00	65	64	64	69	"	"	0	"	Took close in fore topsail
	10	4	0	"	"	7.8	1½	29	98	65	65	64	69	"	"	0	"	and single reefed the
	11	4	0	N by E	"	5.7	1½	29	95	65	65	64	69	bcqo	Nimt	0	"	foresail
	Mid.	3	0	N ¼ E	E by N	5.6	1½	29	95	66	64	64	69	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Thursday Aug 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m Generally cloudy and overcast with light passing showers last hour squally. Moderate to fresh breeze from S & E to S S E by E. Bar falling slowly. On course N E ½ N. Fires banked in four boilers Ab pres 25 lbs. Distilling

(Signed) L. P. Jouett
Master

From 4 to 8 A M. Cloudy clearing towards latter part of watch squally Moderate to very fresh breeze from S. E. to S. S. E. At 7 30 turned reefs out of topsails and set jib Bar steady 30.15 Fires banked in four boilers Ab at pres. 25 lbs. Distilling

(Signed) C. K. Curtis
Lieut

From 8 A M to Merid Cloudy cool and squally with stiff to fresh breeze from E by S. Bar falling slowly. Moderate sea At 8 15 set T.G. sails and spanker Lowered storm stay sails to dry. At 11. set gaff topsails Full and by Fires banked in four boilers Ab pres 25 lbs. Distilling

(Signed) C. P. T. Moore
Ensign

From Merid to 4 P M. Cloudy and overcast with light passing showers of misty rain blowing in squalls from stiff to very fresh breeze from S E by S. At 12.45 changed course to N E by N At 12 55 took in T.G. sails and gaff topsails set the T.G sails at 1.15 Took them in again at 2. At end of watch ship on course N E by N. Fires banked in four Ab at pres. 25 lbs Distilling

(Signed) L. P. Jouett
Master

From 4 to 6 P M Overcast and cloudy with light passing showers. Fresh winds, very fresh in squalls from E by S. Bar steady 30.10 Rough sea At 5 called all hands took two reefs in topsails and took in jib and spanker Fires banked in four boilers Ab at pres 25 lbs. Distilling

(Signed) A. C. Lemly
Ensign

From 6 to 8 P M. Overcast and squally with very fresh breeze to moderate gale from E by S. to E. Full and by. Taking close reef in Main topsail at 8. Fires banked in four boilers Ab pres 25 lbs Distilling

(Signed) C. P. T. Moore
Ensign

From 8 P M to Mid Overcast and cloudy with heavy rain last hour Very fresh breeze to moderate gale decreasing to a fresh breeze from E. At 8 close reefed the fore topsail and single reefed the foresail Full and by. Stopped distilling at 11 00

(Signed) L. P. Jouett
Master

Moons phase 3d qr Dec N 14°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At Sea Making passage from Monte Video Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2		N	E by N	5.7	½	29 95	67	65	64	70	ocgb	Cum Nimb	0	R	
2	2		N N W	N E by E	6.7	½	29 93	68	66	64	70	"	"	0	M	
3	2	5	N W by N	N E	3.6	½	29 93	68	66	64	70	"	"	0	"	Took in Mainsail
4	2	2	W N W	N E by E	3.6	½	29 91	68	66	64	70	"	"	0	"	
5	3	0	N W N W	N N E	3.7		29 88	68	66	64	71	ocgb	Nimb	0	R	F.T staysail close reefed
6	2	2	S. W	W by S.	3.6		29 85	68	66	64	71	"	Cum Nimb	0	"	topsails single reefed
7	3	1	N E by N	"	3.5		29 85	68	65	64	71	"	"	0	"	foresail and double reefed
8	3	0	"	"	3.5		29 87	68	65	64	71	"	"	0	"	M sail
9	4	6	"	W S. W	5		29 85	68	64	64	71	"	"	0	M	Shook out reef in
10	5	4	"	"	5.6		29 85	68	65	64	71	"	"	0	"	topsails and foresail set
11	6	2	"	"	5.6		29 85	69	64	64	71	"	"	0	"	jib and F.T sails hauled
Noon.	4	2	"	"	4.5		29 83	69	63	63	71	"	"	0	"	down jib and set F.T staysail

Dg N. 6.4

Distance run by Log since preceding Noon 101 knots 1 ~~fathoms~~ tenths

Latitude by D. R. at Noon S. 28 ° 47 ' 48 "

Longitude by D. R. at Noon W 45 ° 44 ' 53 "

Latitude by Observations at Noon ⊙ S. 28 ° 54 ' 7 "

Longitude by Chronometer from Forenoon Observations ⊙ W 45 ° 56 ' 34 "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water ~~condensed~~ during the preceding 24 hours 100 "

Water remaining on hand fit for use at Noon 2300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	3/3	0 5	N E by N N N E ½ E	W S. W	6.7		29 77	67	63	62	71	ocgb	Cum+Nimb	0	R	
2	7	5	"	S. W by W	6.7		29 75	67	62	62	71	"	"	0	"	Set jib
3	8	0	"	"	6.7		29 76	66	62	62	71	"	"	0	"	
4	8	0	"	"	6.7		29 80	66	60	60	71	"	"	0	"	Close reefed topsails
5	6	0	"	W S. W	7.8		29 80	67	59	59	71	ocgr	Nimb	0	"	close reefed foresail
6	6	4	"	"	7.8		29 80	67	59	59	71	"	"	0	"	and F.T. staysail
7	6	0	"	S. W by W	6.8		29 82	67	59	59	71	"	"	0	"	
8	6	2	"	"	6.8		29 83	67	59	59	71	"	"	0	"	
9	6	5	"	"	6.7		29 83	67	58	59	71	ocgb	"	0	"	
10	7	2	"	"	6.7		29 87	69	58	58	71	"	"	0	"	
11	6	5	"	"	5.7		29 87	68	58	58	71	"	"	0	"	
Mid.	5	0	"	"	5.7		29 87	68	57	57	71	"	"	0	"	

Dg N. 6.5

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ashley, U. S. Navy,

Friday Aug. 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy with squalls and rain At 115 hauled up mainsail 230 set mainsail Gentle to very fresh breeze from E by N + N by E. Rough sea Bar falling Fires banked in four boilers At pres 25 lbs Distilling Lightning to N.E.

(Signed) A. C. Longly
Ensign

From 4 to 8 A.M. Winds equally from N NE first hour shifting suddenly to W N W At 515 and at 530 to W by S. and decreasing Overcast with passing showers of rain At 530 wore ship to S.W. Last two hours on course N E by N Fires banked in four boilers At pres 15 lbs Distilling

(Signed) C. K. Curtis
Lieut

From 8 A.M. to Meridn Cloudy overcast and equally with passing showers of rain Moderate to fresh breeze from W to W S W Bar falling Ship rolling easily At 815 shook out one reef in topsails and forecast Set jib and F.S. sails At 1115 took in jib and F.T. staysail Fires banked in four boilers As at pres. 30 lbs.

(Signed) L. P. Jouett
Master

From Meridn to 4 P.M. Overcast cloudy and equally with fresh to very fresh winds from W.S.W to S W by W. Rough sea from same direction Bar unsettled At 1225 changed course to N N E 1/2 E. At 1 set jib Ship under. to sails single reefed courses mainsail double reefed, topgallant sails. and jib Fires banked in four boilers As at pres 20 lbs.

(Signed) A. C. Longly
Ensign

From 4 to 6 P.M. Overcast rainy and equally Fresh breeze & moderate gale from W S W At 4 15 took in F.S. sails and mainsail and close reefed topsails Hauled down and stowed jib Hoisted F.T. stay sail Started fires in two more boilers Fires banked in 4 boilers As at pres. 20 lbs. Bar rising Seas rough.

(Signed) C. P. T. Moore
Ensign

From 6 to 8 P.M. Cloudy overcast and rainy Fresh to moderate gale from S. W by W. Bar rising Rough sea Fires banked in six boilers As at pres 30 lbs.

(Signed) L. P. Jouett
Master

From 8 P.M. to Midn Overcast cloudy and squally with stiff to very fresh wind from S. W by W. Sea rough but moderating Bar steady last three hours 29.87 Fires banked in six boilers As at pres 20 lbs.

(Signed) A. C. Longly
Ensign

Moons phase Last qr Dec N 18°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At Sea Making Passage from Montevideo Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	0	NNE ½ E	SSW	7.9		29 85	65	55	55	70	bcqw	Nimb	0	R	Close reefed topsails close
2	5	0	"	SSW	7.9		29 85	66	55	55	70	"	"	0	"	reefed foresail and
3	5	0	"	"	7.9		29 82	66	54	54	70	"	"	0	"	fore topmast staysail
4	4	2	"	SW	7.9		29 80	65	54	54	70	"	"	0	"	
5	5	0	NE	SSW SW	7.10		29 79	65	54	53	70	bcqw ps	Cum Nimb	0	"	
6	6	0	"	"	7.10		29 77	65	54	52	70	"	"	0	"	
7	6	5	"	"	7.10		29 75	64	56	55	71	"	"	6	"	Same
8	6	0	"	"	7.10		29 80	63	56	55	71	bcqw	"	4	"	
9	5	5	NE by N	SW by W SSW	8.10		29 76	63	56	55	71	bcq	"	6	A	Took in foresail fore topsail & fore top mast staysails Set fore storm staysail
10	7	0	NNE	"	8.10	4	29 76	63	58	56	71	"	"	6	"	Mizzen staysail and close reefed main topsail
11	1	5	"	"	8.10	4	29 77	63	58	56	71	"	"	5	"	Took in fore storm staysail
Noon.	1	5	"	"	8.10	4	29 75	63	58	56	71	"	"	5	"	

Lat 27 00 S
Long 44 20 W

Distance run by Log since preceding Noon 137 knots 8 ~~tenths~~ fathoms

Latitude by D. R. at Noon S. 27° 00' 1"

Longitude by D. R. at Noon W. 44° 41' 34"

Latitude by Observations at Noon ⊙ S. 26° 54' 26"

Longitude by Chronometer from Forenoon Observations ⊙ W 44° 22' 23"

Sg Nb Current during the time knots fms. per hour, setting to the

6 N Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water ~~Condensed~~ during the preceding 24 hours 500 "

Water remaining on hand fit for use at Noon 2500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	0	0	Laying to NNE	NW	9.11	8	29 70	61	59	58	71	bcq	Cum Nimb	5		Set fore topsail close reefed and fore storm staysail
2	1	5	NE	"	9.11	4	29 65	61	59	58	71	"	"	3		
3	2	0	NE ½ N	"	9.11	4	29 65	61	60	58	71	"	"	4		Hauled down mizzen storm staysail and storm mizzen
4	1	6	NE by N	"	9.11	4	29 65	61	60	58	71	"	"	4		
	1	5														
4	Laying to		NNW to NE by N	NW NW ½ W NW by W	9.11		29 63	61	60	58	71	bcq ps	"	5		
5		"	"	NW	8.10		29 63	61	60	58	71	"	"	4	R	
6		"	"	"	8.10		29 64	61	60	58	71	"	"	1	"	
7		"	"	"	8.11		29 65	63	60	58		ocq ps	"	4	A	
8		"	"	"	8.11		29 68	63	60	58		"	"	4	"	
9		"	NNE to N	"	8.11		29 65	63	60	58		bcq ps	"	4	"	
10		"	"	"	8.11		29 61	63	60	58		"	"	2	"	
11		"	"	"	8.11		29 60	63	60	58		ocq ps	"	0	"	
Mid.		"	"	"	8.11		29 60	63	60	58		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Saturday Aug 9th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Overcast squally and rainy with very fresh breeze to strong gale from Nby E to N. At 300 wind shifted suddenly to N N W then veered back to N. Ship on course N N E ½ E under close reefed topsails close reefed foresail and fore topmast staysail Bar falling Sea rough Fires banked in six boilers Av pres 35 lbs

(Signed) C. B. T. Moore
Ensign

From 4 to 8 A M Overcast and cloudy with light passing showers of rain breaking away last hour of watch Strong gale with furious squalls from N to N N W. Very rough sea latter part of watch Ship rolling deeply but easily Fires banked in 6 boilers. Av pres 35 lbs.

(Signed) C. H. Curtis
Lieut

From 8 A M to Meridn Partially clear Blowing a strong gale with furious squalls from N by W to N N W Heavy sea from N W Bar unsettled At 9 took in foresail fore topsail fore topmast staysail and brought to under close reefed main topsail fore storm staysail Mizzen storm staysail and storm mizzen At 10 hauled down fore storm staysail Ship rolling 30° to 35° to leeward. Fires banked in six boilers Av pressure 38 lbs.

(Signed) A. C. Lemly
Ensign

From Meridn to 4 P M Partially cloudy and squally with strong to violent gale from N N W to N W by W blowing in heavy squalls At 130 set close reefed fore topsail and fore storm staysail took in storm mizzen and kept away to N E At 200 took in mizzen storm staysail At 200 came up to N E ~~by E~~ ½ E and at 235 to N E by N At 325 took in fore topsail and fore storm staysail and set storm mizzen and brought by the wind Bar falling Very rough sea Fires banked in six boilers Av pres 28 lbs.

(Signed) C. B. T. Moore
Ensign

From 4 to 6 P M Generally cloudy and overcast Blowing nearly in squalls from N N W Lying to under close reefed main topsail mizzen storm staysail and storm mizzen Ship rolling deeply but easily Fires banked in 6 boilers Av pres 25 lbs. Coupled propeller

(Signed) L. P. Jouett
Master

From 6 to 8 P M Partially cloudy. Blowing a fresh gale from N N W with very violent squalls and heavy sea Ship lying to under close reefed main topsail mizzen storm staysail and storm mizzen Rolling heavily at times 35° to 40° but generally riding easily Fires banked in 6 boilers Av pressure 30 lbs

(Signed) A. C Lemly
Ensign

From 8 P M to Mid Partially overcast with passing showers Moderate to violent gale to N N W Bar falling Heavy sea Lying to heading from N N E to N. Fires banked in six boilers Av pressure 20 lbs. At 815 started ahead on engines but had to stop as two cranks pin bolts of low pressure engines broke in starting Let fires die out in two boilers Fires banked in four boilers Av pres 20 lbs.

(Signed) C. B. T. Moore
Ensign

Moons phase Last qr Dec N 22°

Examined and found to be correct.

(Signed) C. H. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At sea Making passage from Montevideo Uruguay to Rio de Janiero Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Lying to drifting to		SSE SE by S		9 10		29 57	67	62	62	71	cgps	Cum Nimb	1	R	Reefed reefed M topsail
2	the SSE		"		9 10		29 53	67	62	62	71	"	"	1	"	Mizzen storm sail
3			"		9 10		29 55	66	62	62	71	"	"	1	"	and storm mizzen
4			"		9 10		29 55	66	63	62	71	"	"	2	"	
5			"		9 10		29 48	65	60	60	71	bcgps	"	2	A.C.	
6			"		9 10		29 48	64	60	60	71	"	"	3	"	
7			"		9 10		29 49	66	62	62	71	"	"	4	"	
8			"		9 10		29 51	66	63	62	71	"	"	3	"	
9			"	SSE SE	9 10		29 50	66	63	62	69	bcgps	"	3	"	
10			"		9 10		29 51	66	63	62	69	"	"	2	"	
11			"	SE	7 10		29 52	67	63	62	69	bcgps	"	5	"	Took in M topsail
Noon.	Drifting to NW & S			SE by S	7 9		29 52	70	66	64	69	"	"	3	"	

Distance run by Log since preceding Noon	40 knots 0 ~~fathoms~~ tenths	
Latitude by D. R. at Noon	S. 36	39.2
Longitude by D. R. at Noon	W. 43	43.23
Latitude by Observations at Noon ⊙	S. 36	50'50"
Longitude by Chronometer from Forenoon Observations ⊙	W. 43	12'54
Dg 7½ Current during the time knots fms. per hour, setting to the		
615 Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	' "
Variation of the Compass by Azimuth ⊙ observed at	°	' "
Water expended during the preceding 24 hours	600	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1900	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.															
1	Drifting to NW & S			W. S. W	7.8		29 50	70	68	64	69	bcg	Cum Nimb	4	R	Set close reefed fore and
2	5	20	NE by N	"	7.8		29 48	70	68	66	69	"	Cir Cum	7	"	main topsails and foresail
3	7	0	NNE & NE	"	7		29 49	70	68	66	69	"	"	6	"	fore top stay sail
4	5	6	"	"	7		29 50	70	68	66	69	"	"	5	"	Took in mizzen storm
5	7	0	"	"	7.8		29 50	70	68	66	69	bcgps	Cir Cum & Nimb	6	"	stay sail and storm mizzen
6	6	5	"	"	7.8		29 49	72	66	64	69	"	"	6	"	
7	6	5	"	"	7.8		29 57	71	64	64	69	"	"	7	"	
8	6	8	"	"	7.8		29 69	71	64	64	69	"	"	7	"	
9	7	2	NNE & NE	"	7.8		29 63	72	64	64	69	bcg	Cum Nimb	8	"	
10	5½	04	NNE	"	7.8		29 66	72	64	64	69	"	"	8	"	
11	6	8	"	"	6.7		29 68	74	64	64	69	"	"	9	"	
Mid.	6	0	"	"	6.7		29 70	75	64	64	69	"	"	8	"	

L 26. 22
W. 42. 57

Longitude by Chronometer from Afternoon Observations ⊙	°	' "
Longitude by Chronometer from Observations *	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. A. Schley, U. S. Navy,

Sunday Aug 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 a M Cloudy and equally Fresh to strong gale from N to N N W Rough sea Bar falling 2955 steady last three hours of watch Obscured moonlight Ship lying to under close reefed main topsail mizzen storm staysail and storm mizzen Fires banked in four boilers As pres 20 lbs

(Signed) L. P. Jouett
Master

From 4 to 8 a M Blowing a strong gale with furious squalls from N to N N W. Cloudy with passing showers of rain Heavy cross sea from N N W & N W. Lying to under close reefed main topsail mizzen storm staysail storm mizzen Rolling 35° to 40° Fires banked in four boilers As at pres 20 lbs

(Signed) H. C. Lemly
Ensign

From 8 a m to Mid Partially cloudy equally and passing showers strong to very strong gale from N W & W blowing in violent squalls first part moderating last part to very fresh breeze to strong gale At 10 15 took in main topsail. Lying to drifting to N N E & E Fires banked in four boilers As at pres 20 lbs.

(Signed) C. P. T. Moore
Ensign

From Mid to 4 P M Generally clear and pleasant Equally Moderate gale decreasing to very fresh breeze from W S. W. At 9 put ship on course N E by N. Set close reefed fore and main topsail close reefed foresail and fore topmast staysail Took in mizzen storm staysail and storm mizzen At 2 changed course to N N E 3/4 E. Rough sea Fires banked in four boilers As pres 20 lbs

(Signed) L. P. Jouett
Master

From 4 to 6 P M Generally clear and pleasant with very pleasant ~~very~~ fresh breeze from W S W. with occasional heavy rainy squalls Seas Rough Bar rising Ship under foresail and topsails all close reefed with fore topmast staysail On course N N E 3/4 E Rolling heavily at times 35° & 40° Fires banked in four boilers As at pres 25 lbs Sighted an hermaphrodite brig on starboard beam lying to on the starboard tack

(Signed) H. C. Lemly
Ensign

From 6 to 8 P M Clear and equally with passing showers Very fresh breeze to moderate gale blowing in heavy squalls Bar rising steadily Heavy sea and westerly swell On course N N E 3/4 E Fires banked in four boilers As at pres 20 lbs.

(Signed) C. P. T. Moore
Ensign

From 8 P M to Mid Clear and equally Moderate gale decreasing to fresh breeze from W S W At 8 05 changed course to N N E 1/4 E and at 9 40 to N N E Fires banked in four boilers as pres 25 lbs

(Signed) L. P. Jouett
Master

Moon's phase Last qr. N. 24°

Examined and found to be correct.

Signed C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At Sea Making passage from Monte Video & Uruguay to Rio de Janiero Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	ASE	SE by S	7		29 70	70	64	62	71	bc	Cir+Cum	7	R	
2	6	8	"	"	7		29 70	70	64	62	71	"	"	7	"	
3	6	5	"	"	7		29 70	70	64	62	71	"	"	7	"	
4	6	2	"	"	7		29 70	70	64	62	71	"	"	7	"	
5	6	0	"	"	4.6		29 73	71	64	62	71	bc fog	Cum Nimb	5	L M	Double reefed topsails
6	5	0	S	S by E	4.5		29 77	71	66	64	71	"	"	5	"	single reefed foresail &
7	4	5	"	S E	4.5		29 79	71	66	65	71	"	"	5	"	D. T. staysail
8	4	5	"	SE by E	4.5		29 85	71	67	66	71	"	"	5	"	
9	2	2	NE by E	"	4.5		29 90	71	67	66	71	bc	Cir Cum	7	W	Shook out one reef in topsails
10	5	2	NE by E	"	5		29 92	70	67	66	71	"	"	9	"	set single reefed mainsail
11	3	7	NE by E NE by E	"	5		29 92	70	68	67	71	"	"	8	"	D.B. sails jib and spanker
Noon.	6	4	"	E	6		29 92	69	67	66	71	"	"	8	"	Set & hauled down flying jib

Distance run by Log since preceding Noon	129	knots 6	~~fathoms~~ tenths.
Latitude by D. R. at Noon	S. 24	° 52	' 00"
Longitude by D. R. at Noon	W 42	° 31	' 54"
Latitude by Observations at Noon ⊙	S. 24	° 40	' 50"
Longitude by Chronometer from Forenoon Observations ⊙	W 42	° 31	' 54"
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise		°	' "
Variation of the Compass by Azimuth ⊙ observed at		°	' "
Water expended during the preceding 24 hours	600	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1300	"	
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon		"	"

P. M.															
1	6	5	NE by E	E by N	6		29 92	69	66	66	70	bc	Cir+Cum	7	M	
2	6	5	NE by E½ E	E.	6		29 90	69	67	66	70	"	Cir Cum + Nimb	5	"	Took in D.B sails and spanker
3	6	4	"	"	6		29 90	69	67	66	71	bc fog	"	5	"	Set cross t'gans reefed Main
4	6	0	NE by E.	"	6		29 90	70	67	66	71	"	"	5	"	Plain sail to D sails except
5	5	8	NE by E½ E	E by S.	5		29 93	70	67	66	71	bc g	Cir Cum	8	"	single reef in foresail &
6	5	6	N NE E½ E	E S. E	5		29 95	70	67	66	71	bc	"	8	"	double reef in Mainsail and
7	5	4	"	E by S.	4		29 95	70	67	66	71	"	"	9	L	gaff topsail
8	4	6	"	"	4		29 98	70	67	66	71	b	None	10	"	
9	3	0	NE by N	S. E by S.	3.2		29 99	70	67	66	71	bc	Cir+Cum	8	"	Set royals
10	2	0	"	"	2		29 99	70	67	66	71	"	"	8	"	
11	1	5	"	"	2.1		30 00	70	67	66	71	"	"	8	"	
Mid.	1	0	"	"	2.1		30 00	70	67	66	71	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙		°	' "
Longitude by Chronometer from Observations *		°	' "
Variation of the Compass by Amplitude observed at Sunset		°	' "
Variation of the Compass by at		°	' "

under the command of Commander W. A. Schley, U. S. Navy,

Monday Aug. 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM Clear and pleasant Bright moonlight after 1.45 Very fresh breeze from W.S.W. Ship on course N.E. under topsails and foresail close reefed and fore topmast staysail Sea rough but moderating Ship rolling 30° to 35° Bar steady 29.70 Fires banked in four boilers As at noon 15 lbs

(Signed) A. G. Lemly
Ensign

From 4 to 8 AM Weather partially overcast with passing showers of rain Wind variable from W.S.W. to S.W. with light squalls At 7 shook out reef out of topsails and one out of foresail Moderate sea with long swell from S.W. Fires banked in two boilers At noon 15 lbs

(Signed) C. K. Curtis
Lieut

From 8 AM to Meridian Clear and pleasant. Stiff to fresh breeze from W.S.W. to W. At 8.15 shook out one reef in topsails and foresail set single reefed mainsail D.R. sails jib and spanker At 10.30 set flying jib hauled it down at 11 At 11.40 shook out the remaining reef in topsails At 8.30 changed the course to N ½ W. at 10 to N by W. and at 10.20 to N by W ¼ W. Fires banked in two boilers At noon 15 lbs.

(Signed) L. P. Jouett
Master

From Meridian to 4 P.M. Generally clear and pleasant. Last two hours occasional squalls with passing showers. At 12.45 changed course to N by W ½ W. 2.10 took in D.R. sails. and spanker to a squall 2.25 set them again. 2.50 crossed royal yards 3.30 took close reef in mainsail Sighted a sail on starboard bow Full and by with fresh breeze from W by N & W. Bar steady Sea moderate Fires banked in two boilers As at noon 15 lbs

(Signed) A. G. Lemly
Ensign

From 4 to 6 P.M. Clear and pleasant with fresh breeze from W by S. to W.S.W. At 5 changed courses to N.N.W ½ W. Bar steady Moderate sea from W.S.W. Fires banked in two boilers As at noon 15 lbs.

(Signed) C. D. T. Moore
Ensign

From 6 to 8 P.M. Clear and pleasant. Moderate breeze from W by S. Long swell from S.W. Bar rising Bent chains Fires banked in two boilers At noon 20 lbs.

(Signed) L. P. Jouett
Master

From 8 P.M. to Mid. Clear and pleasant Gentle breeze to light airs from W. by S. Long swell from S.W. Bar rising At 8.45 set royals Ship on course N.W by N. under all plain except flying jib foresail single and mainsail double reefed main At 11.05 started distiller Fires banked in two boilers As at noon 25 lbs.

(Signed) A. G. Lemly
Ensign

Moon's phases Last qr Dec N 26°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 5th Rate, 6 Guns,

At Sea Making Passage from Monte Video Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1	0	NbyN	SSW	0.1		30 00	70	67	66	70	bz	None	10	L	Plain sails to royals except
2	0	8	"	"	1		29 99	70	67	66	70	"	"	10	"	reef in courses & flying jib
3	0	8	"	"	1		29 98	70	67	66	70	"	"	10	"	& gaff topsails
4	0	8	"	"	1		29 98	70	67	66	70	"	"	10	"	
5	1	0	"	SSW	0.1		29 98	70	67	66	70	bc	Cir Str	9	"	
6	1	0	"	"	0.1		29 98	70	67	66	70	"	"	9	"	Same
7	1	0	"	"	0.1		30 00	70	67	66	70	"	"	9	"	
8	1	0	"	"	0.1		30 02	70	67	66	70	"	"	9	"	
9	Barely	steerage		Variable airs	0.1		30 03	70	68	67	71	"	Cir Cum	8	"	Set flying jib and gaff
10	way				0.1		30 03	70	68	67	71	"	"	7	"	topsails
11	2	0	NbyN	NEbyN	1.2		30 00	70	69	68	71	"	"	7	"	Shook reefs out of courses
Noon.	1	5	"	"	1.2		30 00	71	69	68	71	"	"	7	"	

Distance run by Log since preceding Noon — 65 knots 4 ~~fathoms~~ tenths

Latitude by D. R. at Noon — S. 23 ° 40' 08"

Longitude by D. R. at Noon — W 42 ° 59' 39"

Latitude by Observations at Noon ⊙ — S. 23 ° 36' 42"

Longitude by Chronometer from Forenoon Observations ⊙ — W 42 ° 42 36"

Current during the time knots fms. per hour, setting to the

Sq No — Variation of the Compass by Amplitude ⊙ observed at Sunrise

625 — Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours — 600 gallons.

Water Condensed during the preceding 24 hours — 300 "

Water remaining on hand fit for use at Noon — 1000 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.														
1	1	5	NbyNbyN	ENE	1.2	29 98	69	70	68	71	bc	Cir Cum	9	L
2	1	5	NNW	"	2	29 95	69	68	67	71	"	"	9	"
3	1	4	"	E	2	29 93	69	68	67	71	"	"	9	"
4	1	8	NNW	ESE	2	29 93	69	70	67	71	"	Cum	9	"
5	3	1	NbyW	EbyS	3	29 95	69	70	68	71	boz	Str	9	"
6	4	0	NbyW	"	3	29 93	67	70	68	71	"	"	9	"
7	4	0	"	"	3	29 93	70	68	68	71	bz	None	10	"
8	2	0												
	1	9	NbyW	"	3	29 95	70	68	66	71	"	"	10	"
9	3	0	"	ESE	3	30 00	70	68	66	71	"	"	10	"
10	2	5	NNW	"	3	30 00	70	68	68	71	"	"	10	"
11	1	0	"	E	1	30 00	70	68	68	71	"	"	10	"
Mid.		5	NbyN	"	1.0	30 00	70	68	68	71	"	"	10	"

All plain sails

Took in courses & Gaffs royals flying jib & gaff topsails

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations *

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

under the command of Commander W. A. Schley, U. S. Navy,

Tuesday Aug. 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M. Clear and pleasant with light breezes & light airs from S.S.W. Bar falling slowly. Long swell from S.W. Bar course N W by N. Fires banked in two boilers Ar press 25 lbs Distilling (Signed) C. K. Curtis Ensign

From 4 to 8 A M. Clear and pleasant. Calm and light airs from S.W. Long swell from S.W. Fires banked in two boilers Ar press 20 lbs Distilling (Signed) C. K. Curtis Lieut

From 8 A M to Meid Clear and pleasant with light variable airs from first half of watch At 930 braced around to light breezes from N E by N which held remainder of watch Set flying jib and gaff topsail Shook reefs out of forecastle At 1020 made high land on starboard bow Got a cast of deep sea lead in 80 fms water bottom of coral and sand Fires banked in two boilers Ar press 25 lbs Distilling steering full & by to N N W. (Signed) A. C. Lemly Ensign

From Meid to 4 P M Clear and pleasant with light airs to light breezes from E N E to E S E Bar falling Sea smooth At 1225 changed courses to N. N. W. ½ W. At 1755 to N N W ¼ W at 300 to N N W. and at 400 to N by W ½ W. On the various courses Fires banked in two boilers Ar press 25 lbs Distilling (Signed) C. K. Curtis Ensign

From 4 to 6 P M Clear and pleasant. Hazy about horizon Gentle breezes from E by S. At 5 changed courses to N by W. At 505 mustered at quarters Banked fires in two boilers Ar press 25 lbs. Distilling Lands in sight ahead and on port bow Bar 29.95 (Signed) C. L. Brune Midshipman

From 6 to 8 P M. Clear and pleasant. Gentle breezes from E by S. At 720 changed courses to N by W ½ W. At 7 sighted Raza Island bearing (pc) N W ½ N. Fires banked in two boilers Ar press 20 lbs. Distilling (Signed) L. P. Jouett Master

From 8 P M to Mid Clear overhead and pleasant. Gentle breezes and from E N E to light airs from E. Smooth sea Bar steady at 3000 Standing in for Rio de Janeiro by bearings of Raza Island Light which bore (pc) at ends of watch N W by W. At 1130 got a cast of the lead in 38 fms of water muddy bottom At 1120 hauled up courses 1135 took in royals T.G. sails flying jib and gaff topsail Fires banked in two boilers Ar at press 25 lbs. Distilling (Signed) A. C. Lemly, Ensign

Moons phase Last qr Dec N 26°

Examined and found to be correct.

(Signed) C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Off Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	0	0	N	Calm	0		30 00	70	68	68	71	bcwg	None	10	S	
2	0	5	SE	NE	1.2		30 00	70	68	68	71	bcwg	Cum	8	"	
3	0	4	SSE	E.	1.2		30 00	69	67	67	71	"	"	8	"	
4	0	7	N NEby E	ENE	2		30 00	69	67	67	71	"	"	8	"	
5	1	8	NNE by N	SE	2		30 00	71	67	67	71	bc wz.	Str + Cum	8	"	Set royals S. G sails courses
6	2	8	"	SSE by S	2		30 02	71	67	67	71	"	"	7	"	fly jib + gaff topsail
7	3	6	"	SSE	3		30 05	70	67	67	71	"	"	7	"	
8	1	2	NNE	NNE by N	2		30 09	70	67	65	71	"	"	4	"	
9			At Anchor	"	2		30 10	70	67	65	71	bcg	"	3	"	Took in all sail
10			"	"	3		30 10	70	67	66	71	"	Str Cum + Nimt	2	"	
11			"	"	3		30 10	70	68	66	71	"	"	2	"	
Noon.			"	NE	3		30 10	71	68	66	71	"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ Fort Vallegagnon { S. 22 ° 54' 42"

Longitude by Chronometer from Forenoon Observations ⊙ W. 43. ° 59' 00"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 1200 "

Water remaining on hand fit for use at Noon 1900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	Standing into		SSE	3		30 10	69	68	67	71	bcg	Cum		7	S	Made all sail
2	harbor of		"	3		30 10	69	69	67	71	"	"		2	"	Took in all
3	Rio de Janeiro		SSE by S	3		30 10	69	69	67	71	"	"		2	"	plain sails and anchored
4	"		"	3		30 12	70	69	67	71	"	"		2	"	
5		SSE	SSE by S	2.3		30 13	69	69	68		"	"		5	"	
6		"	"	2.3		30 13	69	68	67		"	"		5	"	
7		"	"	2.3		30 15	70	68	67		"	"		5	"	
8		"	"	2.3		30 18	71	68	67		"	"		5	"	
9		SSE	"	2		30 20	71	68	67		"	"		8	"	
10		"	"	1		30 20	71	68	67		"	"		8	"	
11		SSW	SSE	1		30 20	71	68	67		"	"		8	"	
Mid.		SSW by S	"	1		30 20	70	67	66		"	"		8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. L. Ashby, U. S. Navy,

Wednesday Aug 13th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and pleasant with calms and light airs to light breeze from N W. to W.S.W At 1. shapened ship to E^ds and came up to W.S.W At 3 00 wore ship to E^d and came to courses N W by N On course last half hour. At 100 got cast of lead in 37 fms mud bottom At 2 to 39 fms at 3 & 4 in 38 fms same bottom Bar steady Sea smooth Got ready light kedge and bent 5/8 towline to it ready for letting go At 4.00 Raga Island light N W 1/2 W.

(Signed) C. R. T. Moore
Ensign

From 4 to 8 A M Clear and pleasant Heavy dew Foggy about horizon At 530 cast the lead bottom at 36 fms At 55 made all sail to royals standing in for Rio At 8 Raga light bore S.W. Paris banked in two boilers Bar rising 30.09

(Signed) C L Bruns
Midshipman

From 8 A M to Merid Generally cloudy Pleasant Gentle breeze from N W by N and N W. At 825 took in all sail and came to with port anchor in 17 fms of water veered to 30 fms chain Bearing at anchor Raga Island (p c) S.S.W 3/4 W. Sugar Loaf N by W 3/4 W. Wm. L. Norwood (Q Top) reported his term of enlistment as having expired At 11.15 furled to top gallant sails royals and stowed the gaff topsail and flying jib

(Signed) L P. Jouett
Master

From Merid to 4 P.M. Cloudy but pleasant with gentle breeze from W S.W and S.S.W by W. At 1233 called all hands hove up port anchor and made all sail. Stood in for anchorage in harbor of Rio de Janeiro under direction of Comdg Officer The following signals were made At 2.43 "Essex" to "Hartford" com. 44 "Hartford" ans. and made com 59. At 3. Essex to Hartford init. 12 11. Hartford ans and made 12 4 At 3. took in courses and fore topmast stay sail At 310 top gallant sails and royals At 325 rounded to and let go port anchor clewed up topsails and veered to 90 fms. let go starboard anchor and veered to 30 fms Furled sail Draft of water forward 13" 9. Amid 14. 10' Aft 15. 11 Recd official visit of courtesy from Senior English and Italian Naval officers Pearingo (p c) East point Fort Villegagnon S by W. Fort Bra Vagino E.S.E. 1/2 E

(Signed) S. G Lemly
Ensign

From 4 to 6 P.M. Clear and pleasant Light to gentle breeze from S. W by S. Officer from the Brazilian Flagship "Hathoroy" paid an official visit to Comdr Hauled fires at 540

(Signed) L. P. Jouett
Master

From 8 P M to Mid. Generally clear and pleasant. Light breeze to light airs from S. W by S and W N W. Bar steady and 30 20 Sea smooth

(Signed) S. G Lemly
Ensign

Moons Phase Last qr Dec N 25°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.	Calm	0		30 20	69	67	66		bc	Cums	6	A	
2			"	NE	0.1		30 20	69	67	66		"	"	7	"	
3			"	"	01		30 20	69	67	66		"	"	5	"	
4			"	"	01		30 20	69	67	66		"	"	5	"	
5			NE	NNE	1		30 20	68	66	66		"	Cir Cum	3	"	
6			"	"	1		30 23	68	66	66		"	"	2	"	
7			E by N	N	1		30 30	68	66	66		"	"	2	"	
8			"	"	1		30 32	68	66	66		"	"	1	"	
9			A. NE	N NW	1		30 32	68	67	66		"	"	1	"	
10			"	NNW by N	1		30 32	69	69	68		"	"	1	"	
11			A by E	Calm	1		30 32	70	70	69		"	"	1	"	
Noon.			A. NE	NE	1		30 32	70	70	69		"	"	1	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 1250 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 6550 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			E	ANE	3		30 30	70	70	69		bc	Cir Cum	5	A	
2			E ANE	"	4		30 30	70	70	69		"	"	6	"	
3			NNE	E ANE	4		30 25	70	70	69		"	"	5	"	
4			"	"	4		30 25	70	70	69		"	"	6	"	
5			NE by N	ANE by E	3		30 25	70	70	69		"	"	5	"	
6			NE	E ANE	3		30 25	70	70	69		"	"	4	"	
7			E	"	2		30 27	71	68	67		"	"	8	"	
8			"	E by A.	1.2		30 28	71	68	67		"	"	8	"	
9			ANE	E A. E	2		30 32	71	68	67		"	"	7	"	
10			"	"	2		30 33	72	69	68		"	"	8	"	
11			A E by A	E NE	2		30 33	72	68	67		"	"	8	"	
Mid.			"	NE	2		30 33	72	68	67		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. L. Ashley, U. S. Navy,

Thursday Aug. 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Partly cloudy and pleasant with calms and light airs from N.E. & E. Bar steady Sea smooth

(Signed) G. P. T. Moore
Ensign

From 4 to 8 AM Cloudy and pleasant Light airs from N.N.E. to N. At sunrise hoisted and half masted colors

(Signed) L. P. Jouett
Master

From 8 AM to Merid Cloudy but pleasant with light airs from N. & and N.E. by N. first two hours then calm until 2.35 when sea breeze made from S.E. Bar steady. Sea smooth At 840 made int sig 3357. "Hartford" ans. and made 904 Answered At 920 called all hands to muster and read findings and sentence in the case of Thos Matthews inflicted by Summary Court Martial The court found the said Thos Matthews guilty of specification in that he did attempt to desert. and sentenced him to be placed in solitary confinement in double irons on bread and water for thirty days with full ration every fifth day to lose three months pay amounting to $46.50 and to perform extra police duty for three months The part of the sentence relating to confinement was remitted by the commanding authority to ten days with full rations every other day. and the part relating to loss of pay was referred to the Honorable Secretary of the Navy. Thos Matthews (Ldg) was confined in accordance with the amended sentence Crew engaged in ~~painting~~ scraping ship preparatory to painting ship outside At Meridian Hartford fired thirteen guns in memory of Rear Admiral E. D. Parrott deceased

(Signed) A. C. Lemly
Ensign

From Merid to 4 PM Clear and pleasant with gentle to moderate sea breeze from S. E. to E.S.E. Bar falling Sea smooth At 200 Flagship made gen sig 1087 answered and sent boat At 325 made Int sig 6107 Flagship answered 904 At 345 unbent sails Crew engaged in painting ship

(Signed) G. P. T. Moore
Ensign

From 4 to 8 PM Cloudy first part clearing towards ends of watch Gentle breeze to light airs from S. E by E. hauling gradually to E by S. Bar rising At 415 crossed 3 G. yards

(Signed) A. C. Lemly
Ensign

From 8 PM to Mid Clear and pleasant with light breeze from E.S.E. to N.E. Bar steady Sea smooth Flood tide

Signed G. P. T. Moore
Ensign

Moons phase Last qr Dec N 23°

Examined and found to be correct.

Signed C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. by E	NE.	1		30 33	72	68	67		by	None	10	A	
2	6½		N by E	N by E	1		30 33	72	68	67		"	"	10	"	
3			N	E by N	1		30 33	72	68	67		"	"	10	"	
4			"		1		30 33	70	67	66		"	"	10	"	
5			"	Calms	0		30 33	69	67	66		bcy	"	10	"	
6			N by W	N by W	1		30 33	68	66	66		"	Cum & Str	7	"	
7			N by E	"	1		30 34	68	66	66		"	"	5	"	
8			E	"	1		30 35	68	66	66		"	"	5	"	
9			"	N W	2		30 39	68	67	67		"	"	8	"	
10			S. E	"	2		30 40	68	66	68		bc	Cir Cum	8	"	
11			S by E	"	2		30 40	69	66	68		"	"	5	"	
Noon.			S. S. E	"	2		30 38	69	69	68		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 350 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			SE	SE	4		30 33	71	70	68		bc	Cir Cum	8	A	
2			"	"	4		30 31	72	71	69		"	"	9	"	
3	6½		NE by E	E S. E	4		30 30	72	71	69		"	"	9	"	
4			N N E	"	5		30 30	71	71	69		"	"	9	"	
5			NE by N	SE by S.	4		30 30	71	71	69		"	Cum	7	"	
6			"	E S E	4		30 30	71	71	69		"	"	7	"	
7			N by E	NE	4		30 30	71	70	68		"	Cir Cum	9	"	
8			"	"	2		30 30	71	69	68		"	"	9	"	
9	Flood		SE	N by E	1		30 33	72	68	67		"	"	9	"	
10			S S E	"	1		30 33	73	68	68		"	"	9	"	
11			"	"	1		30 35	71	68	67		"	"	9	"	
Mid.			S E by S.	"	1		30 35	70	67	67		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ashley. , U. S. Navy,

Friday Aug 15th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M Clear and pleasant Hazy. Light airs from N.E. to E by N. At 115 swung to ebb. Bar steady 30.33

(Signed) C. L. Brune
Midshipman

From 4 to 8 A M Partially clear Pleasant. Calms and light airs from N by W. Smooth sea Bar rising At 730 "Hartford" made gen sig 33.56 Recd fresh provisions for crew.

(Signed) A. G. Lemly
Ensign

From 8 A M to Mid Clear and pleasant with light breeze from N.W. Bar rising and sea smooth Crew engaged in painting yards and rec'ing new running rigging and boats falls At 10.00 Board of Survey in Eqdipt Dept met on board to survey running rigging and boats falls Comdg Officer of H. B. M. S. "Elk" paid an official visit to Commander

(Signed) C. P. T. Moore
Ensign

From Mid to 4 P M Clear and pleasant Moderate to stiff breeze from S.E. to E.S.E. Comdg Officer of the Italian Frigate paid an official visit to the Captain Broke out and restored hold At 2.55 swung to ebb. Rove the following new gear fore and main topsail halliards topsail buntlines fore and main buntlines and falls of 2d cutter. At 3.30 Flagship made gen sig 29.82 Ans. Royal mail steamer and a French steamer left the harbor Lamport and Holt and a Royal mail steamer came in and anchored Bar falling 33.30

(Signed) C. L. Brune
Midshipman

From 4 to 8 P M Clear and pleasant. with moderate to light breeze from S.E. by E. Bar steady Sea smooth Board of Survey condemned the following articles in Eqdipt Dept. 2 F. Topsail buntlines 2 M. topsail buntlines 2 jib sheet whips 2 foretopmast staysail sheet whips one fore topsail halliard one main topsail halliard one fore P.S. mast rope one main P.S. mast rope two gigs falls two whale boats falls two 2d cutters falls

(Signed) C. P. T. Moore
Ensign

From 8 P M to Mid Clear and pleasant. Light airs from N by E. At 8.40 swung to flood tide taking twenty minutes to swing Bar 30.30

(Signed) C. L. Brune
Midshipman

Moon's Phase Last qr. Dec N. 19th

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. W.	Calms	0		30 35	69	67	65		b	Horse	10	1	
2			"	"	0		30 35	69	67	65		"	"	10	"	
3			"	"	0		30 35	69	67	65		"	"	10	"	
4			"	"	0		30 33	69	67	65		"	"	10	"	
5			N	N E.	2		30 33	69	67	65		"	"	10	"	
6			"	"	2		30 33	69	67	65		"	"	10	"	
7			"	"	2		30 33	69	66	64		bz	"	10	"	
8			"	N	2		30 33	69	66	64		"	"	10	"	
9			"	"	1		30 35	69	67	66		"	"	10	"	
10	Flood		S.	"	2		30 35	69	68	68		"	"	10	"	
11			"	N W.	2		30 34	69	69	67		"	"	10	"	
Noon.			S. by E	Calms	0		30 33	69	69	67		"	"	10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 1150 gallons.

Water Received during the preceding 24 hours 2100 "

Water remaining on hand fit for use at Noon 2000 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S. E	S. S. E	1		30 31	70	70	68		bc	Cir Cum	9	2	
2			E	"	2.3		30 25	71	72	70		"	"	9	"	
3			N N E.	"	3		30 24	72	72	70		"	"	8	"	
4			"	"	4		30 23	72	72	70		"	"	8	"	
5			N by E	E by S.	4		30 23	72	72	70		bcz	"	9	"	
6			"	"	4		30 22	72	72	70		"	"	9	"	
7			N E	"	4		30 22	72	70	68		b	Horse	10	"	
8			"	"	4.5		30 25	72	70	68		bq	"	10	"	
9			E	"	4.5		30 25	72	68	66		"	"	10	"	
10			"	"	5.6		30 25	72	68	66		"	"	10	"	
11			"	"	3.4		30 25	72	68	66		"	"	10	"	
Mid.			"	"	2.3		30 25	72	68	66		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Saturday Aug. 16th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A M. Clear and pleasant. Calm.

(Signed) L. P. Jouett
Master

From 4 to 8 A M. Clear and pleasant. with light breze from N E to N. Bar steady Sea smooth At 730 Flagship made gen sig 3350 Answered

(Signed) C. P. T. Moore
Ensign

From 8 A M to Merid Clear and pleasant Light airs to light breze from N to N E. Calm last hour At 925 ship swung to flood tide taking 18 minutes to swing At 1045 Brazilian Ironclad was towed out of the harbor The Comdg Officer of H. B. M. S. "Mallard" and a Brazilian vessel of war paid an official visit to the Captain Kirkland Dornaid C. Mate reported his term of service as having expired At 930 half masted ensign At 11 hoisted it again in each case followed motions of Flagship Recd for ships use 3100 gals of fresh water Hazy Bar 30.38

(Signed) C. L. Druge
Wdeshipman

From Merid to 4 P M Clear and pleasant. Light to moderate breze from E S E. At 130 Flagship made gen sig 1017 and at 245 made gen sig 1087

(Signed) L. P. Jouett
Master

From 4 to 8 P M. Clear and pleasant Moderate to stiff breze from E by S. Light squalls during last hour Bar variable 30.25

(Signed) C. L. Druge
Midshipman

From 8 P M to Mid Clear and pleasant. Gentle to fresh breze from E by S.

(Signed) L. P. Jouett
Master

Moons phase Last qr. Dec N. 14°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Desert 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. SE	N. NE.	12		30 24 71		68	67		b	Horiz	10	S	
2			N N W		1		30 24 71		67	67		"	"	10	"	
3			"	West	1		30 24 71		67	67		"	"	10	"	
4			"	"	1		30 24 71		67	67		"	"	10	"	
5			"	N. W.	1		30 24 71		67	67		bc	Cir Cum + Str	9	"	
6			"	"	1		30 25 70		65	64		"	"	9	"	
7			"	"	1		30 27 69		66	64		"	"	9	"	
8			West	Calm	1		30 30 70		66	65		"	"	9	"	
9			"	W.	1		30 32 70		68	66		"	Cir Cum	9	"	
10	Hove		S. W.	"	2		30 32 70		68	66		"	"	8	"	
11	"		S	"	3		30 32 70		69	68		"	"	8	"	
Noon.			[illegible]	[illegible]	2		30 32 70		69	68		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1700	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1			S. by E	S. by E	2		30 28	72	72	67		bc	Cir Cum	8	S	
2			S by W	"	2		30 25	72	72	70		"	"	8	"	
3			W by S.	"	1		30 25	72	72	71		"	"	8	"	
4			"	"	1		30 22	72	74	74		"	"	8	"	
5			W	S. E	1		30 21	72	72	72		"	"	9	"	
6			"	"	1		30 23	73	71	69		"	"	9	"	
7			N W	E	1		30 23	72	70	68		"	"	9	"	
8			"	"	1		30 23	72	70	68		"	"	9	"	
9			E by N	E by N	1		30 23	72	70	68		b	Horiz	10	"	
10			E by S.	N NE	1		30 23	72	70	68		"	"	10	"	
11			S by E	E N E	1		30 23	72	70	68		"	"	10	"	
Mid.			S.	S.	1		30 23	72	70	68		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander W. A. Schley, U. S. Navy,

Sunday Aug 17th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Cloudless and pleasant. Light breeze to light airs from N N E first half West. latter half of watch At 125 swung to ebb.

(Signed) S. A. Lemly.
Ensign

From 4 to 8 A M Clear and pleasant. Light airs from N N. E. Calm last hour Riding to Ebb Bar rising 30 30 At 730 Flagship made dress sig 3364

(Signed) C. L. Bruce
Midshipman

From 8 A M to Mrid Clear and pleasant Light to gentle breeze from N. E. At 9.45 inspected at quarters At 11 called all hands to muster and read General Squadron Order No 10 afterwards held divine service

(Signed) L. P. Jouett
Master

From Mrid to 4 P M Clear and pleasant. first two hours Light airs latter two hours Light breeze from S by E Swung to Ebb at 7.30 Bar steady Seas smooth

(Signed) F. A. Brant
Boatswain

From 4 to 8 P M Clear and pleasant Light airs from S. E. and E. At 530 Flagship made telegraphic sig 8199, 1537, 679. 6374 2993 and 9427.

(Signed) L. P. Jouett
Master

From 8 P M to Mid Clear and pleasant. with light breeze from E by N to S. At 10.5 swung to flood Bar steady 30 23

(Signed) F. A. Brant.
Boatswain

Moons phase New Moon Dec N. 9h

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SE	Calms	0		30 23	72	70	68		b	None	10	S.	
2			"	"	0		30 22	71	70	68		"	"	10	"	
3			NNW	"	0		30 21	70	69	68		"	"	10	"	
4			"	"	0		30 20	69	68	67		"	"	10	"	
5			N by W	"	0		30 20	69	66	66		"	"	10	"	
6			"	"	0		30 20	69	65	64		"	"	10	"	
7			"	"	0		30 24	68	64	64		"	"	10	"	
8			"	"	0		30 25	69	66	65		"	"	10	"	
9			"	NW	1		30 27	71	67	65		"	"	10	"	
10			N	"	2		30 28	71	69	68		"	"	10	"	
11			SW	"	2		30 28	71	69	68		"	"	10	"	
Noon.			SSE	"	1		30 26	71	69	68		"	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1400 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			SbyE	SbyE	1		30 25	71	69	68		bc	Cirrus	9	S.	
2			S.	"	2		30 23	72	72	70		"	"	8	"	
3			SW	"	3		30 18	72	72	70		"	"	8	"	
4			N	SEbyS	3		30 18	72	72	70		"	"	9	"	
5			NWbyN	"	2		30 18	74	74	72		"	"	9	"	
6			"	S.	2		30 17	73	73	71		"	"	9	"	
7			"	"	2		30 17	73	71	70		"	"	9	"	
8			"	"	1		30 17	73	71	70		"	"	9	"	
9			N	Calms	0		30 20	73	71	70		bc	"	9	"	
10			WbyN	NW	1		30 20	73	71	70		b	None	10	"	
11			S.byW	W.	1		30 20	73	71	70		"	"	10	"	
Mid.			S.byE	NbyE	1		30 20	72	71	70		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander N. A. Ashley, U. S. Navy,

Monday Aug 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and with 4 A M Clear calm and pleasant. Bar falling Sea smooth Tide turned ebb at 2.35
(Signed) C. B. T. Moore
Ensign

From 4 to 8 A M Clear and pleasant. Calm At 7.30 Flagship made dress sig 3356
(Signed) L. P. Jouett
Master.

From 8 A M to Meridn Warm pleasant. Light variable airs Bar steady At 9.30 Flagship made gen sig 3247 Answered At 11 swung to flood Engaged in breaking out hold for the purpose of airing rigging Gunners gang engaged in taking impression of vents and scraping inside of battery
(Signed) F. A. Brant
Boatswain

From Meridn to 4 P M Clear and pleasant with light to gentle breezes from S. by E to S. E by E. Bar falling Sea smooth Crew engaged in stowing hold Recd in Pay Dept. 750 yards flannel 500 lbs Tobacco 1125 lbs soap 48 doz D. E. buttons In Engrs Dept. 100 iron washers 75 lbs soap and 5 grs emery paper
(Signed) C. B. T. Moore
Ensign

From 4 to 8 P M Clear and pleasant with light breezes from S. E by E. to S. At 5.30 Flagship hauled gen sig 5040 answered and got up hammocks gantlines Bar steady Sea smooth. (Signed) F. A. Brant
Boatswain

From 8 P M to Mid Clear and pleasant with calms and light airs from N. to N by E Bar steady. Sea smooth Swung to flood tide at 10.30
(Signed) C. B. T. Moore
Ensign

Moons phases First qr Dec. 11 3°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES *Steamer "Essex"* 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. by E	NNE	1		30 20	71	71	70		bz	None	10	A.	
2			S. E by E	"	1		30 20	71	71	70		"	"	10	"	
3			E by S.	N	1		30 20	71	68	66		"	"	10	"	
4			N N E	"	1		30 20	71	66	66		"	"	10	"	
5			"	"	1		30 18	70	66	65		bcz	"	10	"	
6			"	"	1		30 18	70	67	65		"	"	10	"	
7			N E by N	N E	1		30 18	70	65	66		"	"	10	"	
8			"	"	1		30 19	70	66	65		"	"	10	"	
9			"	N	2		30 22	69	66	65		"	Cums	9	"	
10			N	"	2		30 23	70	69	68		"	"	9	"	
11			N by E	N N E	2		30 23	70	70	70		"	Cir Cum	8	"	
Noon.			S. S. E	Calms	0		30 22	70	70	68		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			S by E	S by E	1		30 21	72	72	70		bcz	Cum Str	8	A.	
2			S. S. E	S. S. E	2		30 18	72	72	70		"	"	7	"	
3			"	S E	3		30 18	73	72	70		"	"	7	"	
4			S. S. W	E S. E	3		30 18	73	72	70		"	"	7	"	
5			N by E	"	4		30 18	73	72	70		"	Cir Cums	7	"	
6			"	"	4		30 18	73	72	70		"	"	7	"	
7			N W	S	2		30 18	73	71	70		"	"	9	"	
8			"	S. S. W.	2		30 18	73	71	70		"	Cums	8	"	
9			N by W	E S E	3		30 21	73	70	70		"	"	9	"	
10			N N E	Calms	0		30 21	73	70	70		bz	None	10	"	
11			N E	"	0		30 21	73	70	70		"	"	10	"	
Mid.			E N E	"	0		30 21	73	70	70		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. A. Ackley, U. S. Navy,

Tuesday Aug 19th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a.m. Clear and pleasant. Hazy at 3.40 Swung to the ebb Bar steady 30.25
(Signed) C. L. Brune
Midshipman

From 4 to 8 a.m. Clear hazy and pleasant. Light airs from N.W. & N. Bar rising slowly Sea smooth Recd in Pay Dept. 154 lbs of each fresh beef and vegetables At 7.30 Flagship made gen sig 3356 Answered
(Signed) F. A. Braun
Boatswain

From 8 a.m. to Merid. Clear warm and pleasant with light breezes from N. to N.N.W. & calms Bar steady Sea smooth Quarters at 9.20 At 9.30 Flagship made gen sig 3247 Answered At 10.50 made Sch. sig 2257 Flagship answered 904 At 10.55 the Italian Man of War "Archimede" came in and anchored Got up and bent fore and aft sails except flying jib and gaff topsail Repairing main and main topsail sheets Painted 1st cutter
(Signed) C. P. D. Moore
Ensign

From Merid to 4 P.M. Clear and pleasant. Light airs to gentle breezes from S. by E. to E.S.E. At 3.00 Flagship made prep sig 3918 at 3.05 gen sig 3918 At 3.25 mustered at quarters and turned in clean hammocks At 3.20 made Nat sig 2258 Flagship answered 904.
(Signed) C. L. Brune
Midshipman

From 4 to 8 P.M. Clear and pleasant with moderate to light breezes from E.S.E. to S.S.W. Bar steady Sea smooth Swung to ebb at 4.50 Got up and bent topsails at 4.00
(Signed) C. P. D. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Gentle breezes from E.S.E. first hour calm during remainder of watch During last two hours swinging gradually to flood Bar steady 30.21 (Signed) C. L. Brune
Midshipman

Moon's phase First qr Dec. S. 3°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. W.	Calm	0		30 21	73	69	68		bc	Cum	9	S	
2			"	"	0		30 22	73	69	68		"	"	8	"	
3			"	"	0		30 20	71	69	68		"	"	9	"	
4			"	"	0		30 20	70	68	67		"	"	9	"	
5			N. "N W	"	0		30 20	70	68	67		bcz	"	8	"	
6			"	"	0		30 20	70	68	67		"	"	7	"	
7			"	Var S	2		30 24	70	68	67		"	Cirlum	5	"	
8			Var W	"	2		30 25	70	67	66		"	"	5	"	
9			W.	Var W	1		30 25	70	67	66		"	"	6	"	
10			N N E	Calm	0		30 27	71	69	68		"	"	4	"	
11			N E	"	0		30 27	71	71	70		"	"	4	"	
Noon.			N E by E	"	0		30 25	72	74	72		"	"	6	"	

Distance run by Log since preceding Noon ____ knots ____ fathoms.

Latitude by D. R. at Noon ____ ° ____ ′ ____ ″

Longitude by D. R. at Noon ____ ° ____ ′ ____ ″

Latitude by Observations at Noon ⊙ ____ ° ____ ′ ____ ″

Longitude by Chronometer from Forenoon Observations ⊙ ____ ° ____ ′ ____ ″

Current during the time ____ knots ____ fms. per hour, setting to the ____ °

Variation of the Compass by Amplitude ⊙ observed at Sunrise ____ ° ____ ′ ____ ″

Variation of the Compass by Azimuth ⊙ observed at ____ ° ____ ′ ____ ″

Water expended during the preceding 24 hours 400 gallons.

Water ____ during the preceding 24 hours ____ "

Water remaining on hand fit for use at Noon 700 "

Coal consumed during the preceding 24 hours ____ tons ____ lbs.

Coal remaining on hand at Noon ____ " ____ "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S. S E	S. E	3		30 23	74	74	72		bcz	Cirlum	4	S	
2			"	"	3		30 19	74	75	72		"	"	4	"	
3			S E	"	3		30 17	75	76	74		"	"	4	"	
4			"	"	3		30 17	75	75	73		"	"	7	"	
5			E	E S E	2		30 17	75	74	73		"	"	4	"	
6			N by W	"	1		30 17	75	74	73		"	"	5	"	
7			"	E by S.	1		30 17	75	74	73		"	"	6	"	
8			"	E	1		30 17	75	74	73		"	"	8	"	
9			"	Calm	0		30 17	74	71	70		"	"	8	"	
10			"	"	0		30 17	73	70	70		"	"	9	"	
11			"	"	0		30 17	73	70	70		"	"	9	"	
Mid.			"	"	0		30 17	74	70	70		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ____ ° ____ ′ ____ ″

Longitude by Chronometer from Observations * ____ ° ____ ′ ____ ″

Variation of the Compass by Amplitude ____ observed at Sunset ____ ° ____ ′ ____ ″

Variation of the Compass by ____ at ____ ° ____ ′ ____ ″

under the command of Commander N. A. Schley, U. S. Navy,

Wednesday Aug. 20th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Clear and pleasant. Calm. Bar steady

(Signed) L. P. Jouett
Master

From 4 to 8 A.M. Clear and pleasant. Calm first part. Light breezes from N by E last two hours. Bar steady. Sea smooth. At 7.30 Flagship made gen sig 335 4 Answered. At 9.40 made Int sig 335 7 Flagship answered. Sparred down rigging.

(Signed) C. S. G. Moore
Ensign

From 8 A.M. to Meridn Cloudy and pleasant. Light airs from N by W. Calm last three hours. Engaged in squaring rattlings. Recd the following stores from N. Y. Depot. 11 bbls Beans. 3 bbls Sugar. 1 bbl Flour. 1 bbl. Molasses. 3 cases Pickles. 3 cases Tea. 2 coils Manilla and 1 coil Hemp rope. At 9.30 Hartford made gen sig 324 7. The Captain and officers of General Court Martial left the ship at 9.45 Hazy. Bar 30.25

(Signed) C. L. Bruno
Midshipman

From Meridn to 4 P.M. Clear and pleasant. Gentle breezes from S. E. to S. S. E. Engaged in rattling down. Recd in Engrs Dept. the following stores. 75 lbs Red lead. 75 lbs Cotton waste. 8 gals. Boiled Linseed oil. 28 lbs Green paint. 8 Pencils Brick. 1 Pt Black Japan. 30 lbs Bolts & Nuts.

(Signed) L. P. Jouett
Master

From 4 to 8 P.M. Cloudy and pleasant. Light airs to light breezes from E. S. E. to E. Finished squaring rattlings. Rigged in launch. Rove new falls for gig and whaleboat. Recd in Engrs Dept 4 new bolts. At 5.15 swung to ebb taking 30 minutes to swing. Hazy. Bar steady 30.07. At 5.20 started distilling.

(Signed) C. L. Bruno
Midshipman

From 8 P.M. to Mid. Clear and pleasant. Calm. Fires banked in two boilers. 44 pounds 20 lbs Distilling.

(Signed) L. P. Jouett
Master

Moored pleasant. First qr Decr 21 9°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			Sby E	Calms	0		30 17	73	69	69		bc	None	10	A	
2			"	"	0		30 17	73	69	69		"	"	10	"	
3			E.	N E	2		30 17	73	69	69		"	Cums	8	"	
4			N. E.	N.	2		30 16	71	69	69		"	"	8	"	
5			N by W.	"	1		30 15	71	67	67		bcz	Cir Cum	8	"	
6			N N W.	Calms	0		30 15	70	68	68		"	"	8	"	
7			N N by W.	"	0		30 16	70	68	68		"	"	8	"	
8			"	"	0		30 16	70	68	68		"	"	8	"	
9			N W	N W	1		30 19	72	70	69		bc	"	6	"	
10			N by W	"	1		30 20	72	72	70		"	"	7	"	
11			N N W	"	1		30 20	72	72	70		"	"	6	"	
Noon.			N	"	1		30 20	72	72	70		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Reed Condensed 500 1900 during the preceding 24 hours 2400 "

Water remaining on hand fit for use at Noon 2800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N by W.	N by N	1		30 12	73	73	71		bc	Cir Cum	6	A	
2			S. by E	S. S. E	2		30 10	74	74	73		"	"	7	"	
3			"	"	2		30 07	74	74	73		"	"	7	"	
4			S.	"	2		30 07	75	74	73		"	"	7	"	
5			"	"	1		30 06	74	73	72		"	"	7	"	
6			"	Calm	1		30 05	75	74	72		"	"	5	"	
7			"	"	1		30 05	75	74	72		"	"	4	"	
8			"	"	1		30 05	75	74	72		"	"	4	"	
9			N W by W	N S W	1		30 05	75	74	72		"	"	4	"	
10			"	"	1		30 05	75	74	72		"	"	2	"	
11			E	"	1		30 05	75	74	72		"	"	2	"	
Mid.			N.	"	1		30 05	75	74	72		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Thursday August 21st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Calm first part of watch At 1245 owing to flood Gentle breeze from NE. latter part of watch Bar steady Fires banked in two boilers Distiller in operation

(Signed) F. A. Doan
Boatswain

From 4 to 8 A.M. Clear and pleasant. Light airs first hour from N. Calm remainder of watch Stage. Tarred down S. G and royal backstays Recd 1900 gals. fresh water for ships use. Recd fresh provisions for crew Riding to ebb. At 745 stopped distilling Fires banked in two boilers At 8 got press 20 lbs Bar 30.16

(Signed) C. L. Bruns
Midshipman

From 8 A.M to Merid Clear and pleasant Light airs first hour from N.W. Smooth sea Bar steady. Riding to ebb. At 930 Flagship made gen Sig 324 Answered. At 1030 half masted colors for a funeral procession from the Italian Frigate "Garabaldi" The Captain of the English Flagship Garnet paid an official visit to the ship

(Signed) L. P. Jouett
Master

From Merid to 4 P.M. Clear and pleasant. Light airs from W by N. first hour of watch Gentle breeze from S. S.E. remainder of watch At 130 owing to flood Bar steady Sea smooth

(Signed) F. A. Doan
Boatswain

From 4 to 8 P.M. Clear and pleasant. Light airs from S. S. E. and calms

(Signed) L. P. Jouett
Master

From 8 P.M to Mid Clear and pleasant with light breeze from S. S. W. Bar steady 30.05 Sea smooth

(Signed) F. A. Doan
Boatswain

Moons phase First qr. Dec 1. 15

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			NNW	NNW	2		30 06	74	73	71		bcz	Nimbi	10	A	
2			S. by E	"	2		30 06	72	71	70		"	"	10	"	
3			"	"	2		30 06	72	70	69		"	"	10	"	
4			"	"	2		30 06	72	70	69		bcz	Cir Cum	9	"	
5			NNW	"	1		30 06	71	68	68		"	"	8	"	
6			"	"	1		30 06	71	68	68		"	"	8	"	
7			"	"	0		30 06	71	67	66		"	"	9	"	
8			"	Calms	0		30 08	71	67	66		"	"	9	"	
9			NW	N	1		30 10	72	69	68		bc	"	9	"	
10			"	"	1		30 10	72	70	68		"	"	10	"	
11			N	N by W	1		30 10	72	71	69		"	"	10	"	
Noon.			"	"	1		30 10	73	73	73		"	"	10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1			NE	S by E	2	30 05	74	73	72		bcz	Cir Cum	9	A	
2			S. by E	"	3	30 02	74	74	72		"	"	9	"	
3			"	"	3	30 00	74	75	73		"	"	9	"	
4			"	"	3	30 00	74	75	73		"	"	9	"	
5			SSW	S. by W.	3	30 00	75	75	73		"	"	9	"	
6			WNW	E S E	2	30 00	74	74	72		"	"	9	"	
7			"	W.	2	30 00	74	73	72		"	"	4	"	
8			"	WNW.	2	30 00	74	73	72		"	"	4	"	
9			NNW	"	1	30 02	75	72	72		"	Cum	8	"	
10			"	"	1	30 02	74	72	71		"	"	8	"	
11			"	"	1	30 02	74	72	71		"	"	9	"	
Mid.			"	Calm	0	30 02	74	72	71		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations *. ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Friday August 22d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Clear and pleasant with light breezes from N to N.E. Bar steady Sea smooth Swung to flood at 1.30

(Signed) C. P. T. Moore
Ensign

From 4 to 8 A. M. Clear. Hazy. and pleasant. Calms and light airs from N. to N.E. Bar steady at 6 Flagship made gen sig 2985 and answered At 6.10 gen sig 3351 Answered. At 6.15 made Int sig 4363. Flagship ans. 904 At 6.20 made Int sig 3351 Flagship and 904. Engaged in coaling ship Recd the following stores viz. 15 cases Preserved Beef. and 200 lbs Butter.

(Signed) L P. Jouett
Master

From 8 A M to Merid Clear and pleasant Light passing airs from N to N.E. At 9.30 Flagship made gen sig 3247 Recd in Equipt Dept. 45 tons Coal. Bar Steady 30.10

(Signed) F. A. Doran
Boatswain

From Merid to 4 P M. Clear and warm with light to gentle breezes from S. by E. Bar falling Sea smooth Tide turned flood at 12.30

(Signed) C. P. T. Moore
Ensign

From 4 to 8 P M. Clear hazy and pleasant Calms and light variable airs Bar steady Sea smooth Swung to ebb. at 7.45

(Signed) F. A. Doran
Boatswain

From 8 P M to Mid Clear and pleasant. with light airs from N to N.E. and Calms. Bar steady and Sea smooth

(Signed) C. P. T. Moore
Ensign

Moons phase First qr Dec S. 20°

Examined and found to be correct.

(Signed) C. K. Curtes
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8		N.N.W.	Calm	0		30 02	74	72	71		bz	Nones	10	S	
2			N.W.	"	0		30 02	74	72	71		"	"	10	"	
3			N by W.	"	0		30 02	74	72	71		"	"	10	"	
4			N. by E	"	0		30 02	74	72	71		"	"	10	"	
5			N.W.	N by W	1		30 00	71	70	70		"	"	10	"	
6			"	"	1		30 00	71	69	68		"	"	10	"	
7			N.N.W.	"	1		30 00	71	68	68		"	"	10	"	
8			"	"	1		30 00	71	68	68		"	"	10	"	
9			"	N.N.W.	2		30 01	71	70	69		bcz	Cir Cums	7	"	
10			"	"	2		30 03	73	71	69		"	"	7	"	
11			W by N	"	2		30 02	73	72	70		"	"	8	"	
Noon.			N.W.	"	2		30 00	74	75	74		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N	N.N.E	1		30 00	75	76	73		bcz	Cir Cum	8	S	
2			"	"	1		29 97	76	76	74		"	"	6	"	
3			N.E	Calm	0		29 95	77	78	74		"	"	4	"	
4			N. N.E	"	0		29 95	77	77	74		"	"	8	"	
5			N.	"	0		29 95	77	77	74		"	"	8	"	
6			"	"	0		29 95	77	77	74		"	"	8	"	
7			N	N.W	2		29 95	77	74	73		bq	Nones	10	"	
8			N.N.W.	"	2		29 97	77	73	73		"	"	10	"	
9			"	"	1		29 98	77	73	71		"	"	10	"	
10			"	Calm	0		29 98	76	73	72		"	"	10	"	
11			N.E	"	0		29 98	76	73	72		"	"	10	"	
Mid.			E.N.E	"	0		29 98	76	73	72		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Saturday August. 23d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Clear and pleasant. Calm. At 3 ship swung to the flood. Bar steady 30.02

(Signed) C. L. Bruns
Midshipman

From 4 to 8 A.M. Clear and pleasant with light airs from Wby N. At 6 ship swung to ebb. Bar steady Sea smooth. At 730 Flagship made gen sig 3351 Answered.

(Signed) J. A. Swan
Boatswain

From 8 A.M. to Merid. Fair and pleasant. with light breeze from N.N.W. At 9. Flagship made gen sig 3247. James McCarthy (O.S.) reported the expiration of his term of enlistment. By order of Comdg Officer the following punishments were awarded. A. J. Leigh (O.S.) 2 d. confined in double irons for disrespect to the officer of the deck. Jeremiah Donovan (O.S.) confinement in double irons for insubordinate conduct. W. C. Montgomery (O.S.) 8 hours extra night watch for not relieving boatkeeper at proper time. Thos. Murphy (O.S.) 4 hours extra night watch for leaving boat without being relieved. By order of Comdr in Chief discharged Geo. Alexander (1st C. Stew.) and Lawrence Nelson (1st C. Cook) from this ship and from the Naval Service at their own request.

(Signed) C. P. T. Moore
Ensign

From Merid to 4 P.M. Clear and pleasant. Light airs first two hours from N.N.E. then calm. Hazy. The Consul General called upon the Comdg Officer. At 345 swung to the flood. Bar 29.95

(Signed) C. L. Bruns
Midshipman

From 4 to 8 P.M. Clear and warm. Calm first part. Light breeze from S.W. last two hours. Bar falling. Swung to ebb at 645. At 435 made Int sig 2755. Flagship answered 904. Got up and bent light sails and foresail.

(Signed) C. P. T. Moore
Ensign

From 8 P.M. to mid. Clear and pleasant. Light airs from S.W. then calm. Hazy. Bar 29.98. 10.45 swung to the flood.

(Signed) C. L. Bruns
Midshipman

Moons phase First qr. Dec. S. 23°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES *Steamer "Essex"* 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.E.	Calms	0		29 98	75	76	74		bz	Nimb	10	S	
2			"	"	0		30 00	75	73	71		"	"	10	"	
3			"	"	0		30 00	75	72	70		"	"	10	"	
4			"	"	0		30 00	75	72	70		"	"	10	"	
5			"	"	0		30 00	73	70	68		"	"	10	"	
6			"	"	0		30 00	71	69	67		"	"	10	"	
7			N N W	E N E	2		30 05	70	68	67		"	Cir	9	"	
8			N	"	2		30 05	70	68	67		bz	"	9	"	
9			N by W.	E by N	2		30 10	71	69	68		"	"	8	"	
10			N N W	E.	2		30 12	71	71	70		"	"	5	"	
11			N E	N E	1		30 12	73	72	71		"	"	5	"	
Noon.			"	"	1		30 11	73	73	72		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1900. "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N W.	S. S W	1		30 11	73	73	72		bz	Nmbs	10	S.	
2			W	"	2		30 10	73	73	72		"	"	10	"	
3			W S W	"	4		30 09	73	73	72		"	"	10	"	
4			S E	"	4		30 09	73	73	72		"	"	10	"	
5			"	N N W.	3		30 10	73	73	72		bcz	Cirs	9	"	
6			S E by S.	"	1		30 10	73	73	72		"	"	8	"	
7			N by E	E N E	1		30 10	73	73	72		"	"	8	"	
8			"	"	1		30 10	73	73	72		"	"	8	"	
9			N	"	1		30 13	73	73	72		"	"	6	"	
10			"	"	1		30 16	73	73	71		"	"	7	"	
11			N N E	"	1		30 16	73	72	71		"	"	7	"	
Mid.			"	"	1		30 16	73	72	71		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Ashley, U. S. Navy,

Sunday. August. 24th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Hazy around horizon Calm

(Signed) L. P. Jouett
Master

From 4 to 8 A.M. Clear and pleasant. Calm first half. Light breeze from E to NE last part of watch Swung to ebb at 645 At 730 Flagship made gen sig 3352 And. Bar rising Sea smooth

(Signed) C. P. T. Moore
Ensign

From 8 A.M. to Mrid Cloudy and pleasant. Light breeze to light airs from E to NE At 1028 swung to flood. At 9.45 Comdg officer inspected ship and crew at quarters. At 10 called all hands to muster the Captain then read prayers. By order of Comdg officer Thos Mathews (Lds) was released from confinement and restored to duty By order of Comdg Officer H. H. Rich (Lds) was rated A.R. steward from this date inclusive Very Hazy.
Bar 30.11

(Signed) C. L. Prouse
Midshipman

From Mrid to 4 P.M. Warm and hazy. Light airs to moderate breeze from S.E. to E. At 4 swung to the flood

(Signed) L. P. Jouett
Master

From 4 to 8 P.M. Clear and pleasant. Gentle breeze to light airs from N to E to NE At 625 swung to the ebb. At sundown Hartford made gen sig 2985 Bar 30.10

(Signed) C. L. Prouse
Midshipman

From 8 P.M. to Mid Clear overhead Hazy around horizon Light airs from E to E.

(Signed) L. P. Jouett
Master

Moons phase First qr. Dec S. 25°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.NE	NE	1		30 15	72	70	70		bc	Cums	9	S	
2			"	"	1		30 15	72	71	70		"	"	9	"	
3			NbyE	"	1		30 15	72	71	70		"	"	9	"	
4			"	"	1		30 15	72	71	70		"	"	9	"	
5			E	"	1		30 15	73	69	68		cz	Cir Cum	0	"	
6			ENE	"	1		30 15	73	69	68		bc	"	0	"	
7			NbyW	ENE	1		30 16	72	68	68		"	"	0	"	
8			NW	"	1		30 17	71	68	68		"	"	0	"	
9			"	Calm	1		30 18	72	70	68		bcz	Cums	3	"	
10			E	"	1		30 18	72	70	68		"	"	5	"	
11			NNE	NNE	1		30 18	73	73	70		"	"	6	"	
Noon.			"	"	3		30 18	74	73	71		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S	S	4		30 15	73	72	72		bcz	Cums	3	S	
2			S.SW	"	4		30 15	73	72	72		"	"	3	"	
3			SW	"	4		30 12	72	71	70		"	"	4	"	
4			SbyS	"	4		30 12	71	70	70		"	"	4	"	
5							30 13	72	70	70		"	"		"	
6							30 13	72	70	70		"	"		"	
7							30 13	73	69	68		"	"		"	
8							30 13	73	69	68		"	"		"	
9			NW	S	1		30 13	73	69	68		"	"	8	"	
10			"	"	1		30 13	73	70	68		"	"	8	"	
11			"	Calm	0		30 13	73	70	68		"	"	8	"	
Mid.			"	"	0		30 13	73	70	68		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. S. Schley, U. S. Navy,

Monday. Aug. 25th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m Clear and pleasant Moonlight until about 1. Light land breeze from N.E. Bar steady

(Signed) A. C. Lemly
Ensign

From 4 to 8 a m Overcast and pleasant. Light airs from N E to E N E. Very hazy. At 6 A.M. "Garnet" exercising at sail drill. No perceptible tide during the watch Bar 30.17

(Signed) C. L. Bruns
Midshipman

From 8 a M to Mend. Clear overhead hazy around horizon Calm and light airs to gentle breeze from S. S. E. At 11 swung to the flood. By order of the Comdg Officer Jere. Donovan (2 cl) and A. F. Leigh (OS 2 cl) were released from confinement At 10 30 called all hands to muster and read general Squadron No 11 Capt R. L. Meade U.S.M.C. reported on board under suspension for passage to the U. S. Reed on board with their clothing and descriptive lists Jas Dow (Lds) and Chas Smith 2d (Lds) for passage to the U.S. they being prisoners sentenced by General Court Martial. Confined them in double irons as per order. Recd in Construction Dept 24 grate bars for galley.

(Signed) L. P. Jouett
Master

From Mend to 4 P.M. Partially clear and pleasant. Moderate breeze from S. Bar falling French gunboat left the harbor Judge Kelly and Am. Minister to Brazil paid an official visit to Comdr Reed from the U. S. S. "Hartford" the following named men U. Bully (OS) H. J. Cooper (OS 2 cl) F. P. Colligan (OS) G. E. Davis (OS 2 cl) M. F. Devane. (1 cl Boy) N. O Estabrook (OS) C. H. Hunter (OS 2 cl) H. Krug. (OS) W. H. Leary (Sea) E. A. Phillis (Sea) G. W. Reed (OS 2 cl) Jno Richmond (OS 2 cl) J. H. Studmore (OS 2 cl) T. J. Story (OS 2 cl) H. C. Weiss (OS 2 cl) W. Anderson (Sea) J. Andreson (OS 3d) Dav. Clarke (Sea) J. McCloskey (OS 3d) C. Morrow (Sea) R. Pierce (Sea) R. Delvey (Sea) C. Peterson (Carp) H. Rodgers (Lds) J. F. Marr. (P M) and transferred to Hartford the following named men both drafts having bags. hammocks and descriptive lists F. Buckhardt (Lds) J. Carrigan (Lds) J. W. Elms (Lds) J. W. Greene (Lds) J. Johnson (Sea) M. J. King (Lds) D. W. Kearns (Lds) J. C. Lynch (Sea) W. Lawrence (OS 3d) J. Manning (Lds) A McDonald (Lds) A. Mitchell (Lds) J. Magee (OS 3d) J. P. Roberts (Lds) G. Renn jr (Sea) J. Rhodes (Lds) Chas Wilson (Sea) Quarterly board of survey condemned 1 bbl Beef to be thrown overboard

(Signed) A. C. Lemly
Ensign

From 4 to 8 P M Clear and pleasant. South. breeze decreasing to light airs from S. At 4.50 Flagship made gen sig 298 At 5.15 made 1st sig 607 Flagship and 904 Crossed royal yards Making preparations for sea

(Signed) L. P. Jouett
Master

From 8 P M to Mid. Clear and pleasant. Light airs from S. and calm Bar 30.13 steady Sea smooth

(Signed) A. C. Lemly
Ensign

Moon phase 1st 2d Qr Dec. 526°

Examined and found to be correct.

Signed
C. K. Lewis Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At Sea. Making passage from Rio de Janeiro to Bahia Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N	Ot	2		30 15	72	70	69		6c	Cums	2	S	
2			"	"	2		30 15	72	70	69		"	"	2	"	
3			"	"	2		30 15	72	70	69		"	"	4	"	
4			"	"	2		30 15	72	70	69		"	"	4	"	
5			"	"	1		30 15	72	70	70		"	"	5	"	
6			"	Calms	0		30 15	71	70	70		"	"	6	"	
7			"	"	0		30 16	71	70	70		"	"	6	"	
8			"	"	0		30 19	71	70	70		"	"	5	"	
9			S S E	"	0		30 20	71	71	70		6oz	Cum Nimb	4	"	
10			S. E	S.	1.2		30 20	71	72	70		"	"	4	"	
11	2	4	E ¼ S.	"	1.2		30 20	72	73	70	73	"	"	2	"	
Noon.	8	0	"	S. Ot.	1.2		30 20	73	72	70	73	"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — S. 23 ° 4 ' "

Longitude by D. R. at Noon — Ot 42 ° 52 ' "

Latitude by Observations at Noon ⊙ — ° ' "

Sq No 625 Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1300 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.															
1	8	2	E ½ S.	S. Ot	3	30 09	79	70	72	70	6oz	Cum	4	S	Steam + all sail except
2	8	5	"	"	4	30 10	79	71	68	70	"	"	2	"	mainsail
3	2	2	E ½ S.	"	4	30 10	79	68	68	70	"	"	1	"	"
4	4	1	E S E	"	3	30 15	78	69	68	70	"	Cir Cums	0	"	
5	3	7	E	S. Ot by S.	1	30 13	71	71	68	70	"	"	0	"	Furled topsails foresail
6	6	9	S E by E 3/4 E	S Ot	1	30 12	72	69	68	71	"	"	0	"	and gaff topsail
7	6	4	"	S	1	30 16	79	70	68	72	cz	"	0	"	
8	6	6	"	"	1	30 16	73	73	68	72	"	"	0	"	
9	7	0	"	Calm	0	30 20	73	71	68	72	6c	Cum Nimb	2	"	Took in fore + aft sails
10	6	5	"	"	0	30 18	73	71	68	72	"	Cir Cum + Nimb	3	"	
11	6	2	"	"	0	30 18	73	71	68	72	"	"	3	"	
Mid.	6	8	"	"	0	30 18	73	71	68	72	"	"	6	"	

P. M. 1 2 3 4 5 6 Ot. 41 35-30

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander St. L. Schley, U. S. Navy,

Tuesday August 26th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a M Cloudy and pleasant with light breezes from N. Bar steady Sea smooth Ebb tide

(Signed) C. P. T. Moore
Ensign

From 4 to 8 A M Partially cloudy Light airs from N first hour Calm rest of watch. Preparing for sea. Hove up stbd anchor and unto 2 3 fms on port chain

(Signed) L. P. Jouett
Master

From 8 A M to Meridn Overcast and cloudy with hazy hanging over the land Calms & light airs and light breezes from S and S. W. Smooth seas. At 8 45 called all hands to muster and Comdr read letter of commendation and advice from Rear Admiral Nichols to the Essex. At 8 55 called all hands Up anchor for home and at 9 05 stood out to sea The Hartford English French and Italian men of war cheering and dipping their colors. Manned the rigging and returned all salutes Recd from U. S. S. Hartford in double irons the following prisoners under sentence of G. C. M. for passage to the U. S. viz John Kelly. (Seaman) J. Scott (Ord) Patk Conley (Ord) Draft of water forward 14 ft. Amid 15 ft. Aft. 16 ft. At 10 45 took departure of Raza Island L N. (pc) N ½ W. distant 3 ½ miles Steaming ¾ power Revs 58 lbs St pres. 60 lbs. Started distilling at 11.30 By order of Comdg Officer Chas Smith (Ord) was made prisoner at large.

Signed S. C. Lemly
Ensign

From Merid to 4 P. M. Cloudy and pleasant. Gentle to moderate breezes from N. W. At 12 10 set all S. and A. sail 12 20 set t'gallt sails and foresail and at 1 00 set S. G sails and royals. At 2 45 changed course to E ¾ S. and at same time sighted Capes Fins ahead At 3 30 changed courses to E S. E. At 3 35 took in S. G sails and royals. At 4 00 sighted two sails on stbd bow

(Signed) C. P. T. Moore
Ensign

From 4 to 6 P. M. Overcast cloudy and hazy. Light airs from S. W by S. to S W. At 4 21 Capes Fins light house bore (pc) N. during first hour changed course gradually to E. 4 35 furled topsails foresail and gaff topsail Passed a P & O steamer and a Pacific Mail steamer At 5 mustered at quarters At 5 03 changed course to N E by E ¾ E. Steaming under 6 boilers Av pres 35 lbs. Revs 46 Bar steady 30.12

(Signed) C. L. Preuss
Midshipman

From 6 to 8 P M. Cloudy and hazy. Light airs from S W. Smooth seas. Fires in six boilers Av pres 50 lbs. Revs 45 1

(Signed) L. P. Jouett
Master

From 8 P M to Mid Cloudy but clearing toward end of watch At 8 35 took in fore and aft sails Calm. Steaming ¾ power Av st pres. 55 lbs. Revs 45 Distilling

(Signed) S. C. Lemly
Ensign

Moon's phase, 2n 2d qr. Dec 5. 25°

Examined and found to be correct.

Signed G. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At Sea Making passage from Rio de Janeiro to Bahia Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	6	N E by E & N &	N E	1		30 20	83	70	69	73	b c w	Cums	5	S	Steam alone
2	8	1	"	E & N E	1		30 25	85	71	69	73	"	"	4	"	
3	7	9	"	E	1		30 15	83	71	70	73	"	"	4	"	
4	7	6	"	"	1		30 15	83	71	69	73	b c/s	Cum Nimb	3	"	
5	7	2	"	"	1		30 15	73	71	69	74	b c	Cir Str Nimb	2	S	
6	3	7	N E & N E by N	S E	3		30 13	72	68	69	74	c r q	"	0	"	Set jib and J T staysail
7	7	5	"	"	2		30 15	72	69	68	74	"	"	0	"	M. try sails & spanker
8	7	4	"	Calm	1		30 13	72	70	68	74	b c	"	2	"	Hauled down jib & J T.
9	6	6	"	"	0		30 15	72	71	69	75	"	"	1	S	staysail hauled up M
10	6	2	"	"	0		30 21	73	74	70	75	"	"	5	"	try sails & spanker
11	6	2	"	S E	1		30 20	73	79	70	75	"	Cir Cum & Nimb	4	"	
Noon.	4	0	"	"	2		30 20	73	75	70	75	"	"	3	"	

Lat. obs. 21° 56' S
Lat. by D.R. 21° 46' S

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	S. 21 °	56 27"
Longitude by D. R. at Noon	W. 40 °	2 ' 30"
Latitude by Observations at Noon ⊙	S. 21 °	36 ' 53"
Sq No 625 Longitude by Chronometer from Forenoon Observations ⊙	W. 40 °	3 ' 46"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	' "
Variation of the Compass by Azimuth ⊙ observed at	°	' "
Water expended during the preceding 24 hours	300 gallons.	
Water Condensed during the preceding 24 hours	600 "	
Water remaining on hand fit for use at Noon	1600 "	
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.															
1	6	0	N E by N	S E	3	30 20	73	75	73	75	b c	Cir Cum & Nimb	3	S	Set all square sails
2	5	5	"	Var.	1.3	30 17	73	73	73	75	b c q/s	"	2	"	
3	5	5	"	S. E	3	30 16	72	70	70	75	C r	Cum Nimb	0	"	Set jib boom in square sails Set foresail
4	5	5	"	S. E by E	3	30 17	72	70	70	75	b c/s	"	2	"	
5	5	4	"	S. S. E	2	30 15	72	70	69	75	b c	Cir Cum	3	"	Set topsails
Sq No 626 6	5	6	"	"	2	30 15	73	71	70	75	"	"	5	"	Set Mizzen sail & spanker
7	5	8	"	S E	1	30 10	74	71	69	74	"	Cir Cum & Str	6	"	
8	6	0	"	"	2	30 15	74	71	69	74	"	"	2	"	
9	5	8	"	Calm	0	30 15	74	71	69	75	"	"	0	"	Took in all sails
10	5	4	"	"	0	30 21	74	72	69	75	"	"	6	"	
11	5	6	"	E by S.	1.3	30 24	73	70	69	75	c q/s	Cum & Nimb	0	"	
Mid.	6	2	"	"	1	30 20	73	70	69	75	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	' "
Longitude by Chronometer from Observations ☉	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander N. A. Schley, U. S. Navy,

Wednesday August 27th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Fair and pleasant weather with light airs from N & to E. Bar 30 5 at 4. Sea smooth On course NE by E 3/4 E. Passing showers last hour.

(Signed) G. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Hot and disagreeable during 2d & 3d hours of watch Light airs & gentle breeze from E and S.E. At 5 changed course to NE. 5.20 set Jib F.S. staysail Spanker and Mizzen sail At 5.30 changed course to NE by N. Frequent rain squalls Steam in 8 boilers Fires banked in two As pres 55. Revs 48. Distilling Bar 30.1. Steaming

(Signed) C. L. Brune
Midshipman

From 8 A.M. to Meridn Partially cloudy and warm Calm and light airs from S.E. At 9.10 inspected at quarters and exercised 1st & 2d Div at Great guns. and Masters at stations for general quarters At 10 got a cast of lead in 38 fms coral bottom Michael Hayes 1/Cl reported the expiration of his term of enlistment Fires in six boilers As pres 45 lbs. Revs 43. Ship on course NE by N.

(Signed) L. P. Jouett
Master

From Meridn to 4 P.M. Cloudy and generally rainy Wind variable At 12.45 set all square sails at 1.50 wind hauled ahead Set jib took in square sails At 2.55 set Foresail and at 3.45 the topsails At 4.30 banked fires in two boilers Steaming 1/2 power. Revs 38. Steam 45 lbs. Distilling

(Signed) A. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy first hour clearing towards end of watch Light breeze from S.S.W. On course NE by N. Bar steady Sea smooth At 5. set main trysail & spanker Steaming 4 boilers 38 revs. 60 lbs. steam Distilling

(Signed) G. B. T. Moore
Ensign

From 6 P.M. to Mids P.M. Cloudy and pleasant Light airs to light breeze from S.E. Flying scuds setting from 2d & E 2d Div course NE by N. Fires under 4 boilers Rev. 38. St pres. 60 lbs. Distilling Bar 30.0 Steaming

(Signed) C. L. Brune
Midshipman

From 8 P.M. to Mids First part of watch clear pleasant and calm. latter part cloudy and squally. with passing showers of rain Light to gentle breeze from E by S. At 8.30 took in fore and main topsails and foresail at 9. jib. Mizzen sail and spanker. Ship on course NE by N. Fires in 4 boilers As pres. 45 lbs. Rev. 38 Distilling

(Signed) L. P. Jouett
Master

Moon's phase, 2nd Qr. Dec 3220

Examined and found to be correct.

Signed C. K. Curtis Lind=

Navigator.

LOG of the UNITED STATES *Steamer "Essex"* 3d Rate, 6 Guns,

At sea Making passage from Rio de Janeiro to Bahia Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	8	A. E by N	E	2		30 17	73	70	69	74	bc	Cum Nimb	5	S	
2	5	6	"	E by N	2		30 17	73	70	70	74	bc q p	"	2	"	
3	5	8	"		2		30 15	73	71	70	74	bc	"	3	"	
4	5	8	"	E N E	3		30 15	72	71	69	74	"	"	3	"	Set M. topsails
5	5	4	"	"	3		30 18	73	70	68	75	"	"	1	"	
6	5	2	"	E	2		30 19	74	71	69	75	"	"	2	"	
7	5	2	"	"	2		30 20	73	70	68	75	"	"	2	"	
8	5	4	"	"	3		30 20	73	70	69	75	"	Cir Cumu & Nimb	2	"	Set F & A sails
9	5	8	"	"	2		30 20	74	72	69	75	"	"	5	"	
10	5	8	"	E S E	2		30 20	73	73	70	75	"	"	7	"	
11	5	5	"	"	3		30 20	73	71	69	75	bc q p	"	0	"	Set foresail Hauled up foresail
Noon.	4	3	"	"	4		30 20	71	69	68	75	"	"	0	"	Set topsails & foresail

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — S. 19° 45' 47"

Longitude by D. R. at Noon — W. 38° 44' 46"

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — W. 38° 50' 36"

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — 100 "

Water remaining on hand fit for use at Noon — 1400 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.															
1	5	4	N. E by N	E S E	2,3	30 20	71	70	69	76	bc q p	Cum Nimb	0	S	Set T.B. sails Took in M.T.B sails & M topsail & flying jib
2	5	0	"	"	3	30 20	71	71	69	76	bc q p	"	2	"	
3	5	8	"	"	4	30 20	71	71	69	76	bc q	"	2	"	
4	6	6	"	"	6	30 20	71	70	69	76	bc q p	"	1	"	
5	6	2	"	"	5.6	30 20	71	72	68	76	bc q p	"	0	"	Set M topsail
6	7	2	"	"	5.6	30 17	71	71	68	76	"	"	0	"	
7	5	2	"	E	4	30 14	72	72	68	76	"	"	0	"	Took in & furled M topsail
8	5	0	"	"	4	30 15	72	72	68	76	"	"	0	"	
9	5	8	"	S E by S	5	30 15	74	70	69	76	bc q	"	0	S	
10	5	8	"	"	5.7	30 13	72	71	69	76	"	"	0	"	
11	5	3	"	"	5.7	30 13	72	69	68	76	"	"	0	"	
Mid.	4	8	"	"	5.7	30 13	72	69	68	76	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander N. A. Ashley, U. S. Navy,

Thursday August 28th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Cloudy with light to gentle breezes from S to E N E. and smooth sea. Bar falling. At 1.35 set M topsails steaming 1/2 power. 50 lbs steam Revs 38. Distiller in operation

(Signed) L. G. Lemly
Ensign

From 4 to 8 A M Cloudy and pleasant with light to gentle breezes from E N E to E Bar rising and sea smooth At 6. sighted a barkentine standing to S. S. W. Steaming with four boilers 55 lbs steam Revs 38. Distilling At 7.55 set fore and aft sail

(Signed) C. P. T. Moore
Ensign

From 8 A M. Mereid Clear and pleasant first part. then overcast and cloudy with frequent rain squalls At 9.15 inspected at quarters. Exercised 1st Div at single sticks At 10.30 set forecastle. at 11 hauled up forecastle At 11.30 set topsails and forecastle Fires in four boilers Revs 35. St pres 45 lbs Bar 30.20 Steaming on courses N E by N.

(Signed) C. L. Brune
Midshipman

From Mereid to 4 P.M. Generally cloudy and squally. with passing showers of rain Light to fresh breezes from S to S.E At 3. set T.G. sails and took in flying jib At 3.30 M. topsail carried away. took in sunbent and sent down the sail Fires in four boilers As pres 50 lbs. Revs. 35. Distilling

(Signed) L. P. Jouett
Master

From 4 to 6 P.M. Overcast and squally. with passing showers of rain Stiff to fresh breezes from S to S.E. Smooth sea Bar falling Sent new M. topsail and set it. Took in gaff topsail Steaming 1/2 power. As pres 55 lbs. Revs 38 Distilling

(Signed) L. G. Lemly
Ensign

From 6 to 8 P M Cloudy and squally with passing showers Moderate breezes from E. with occasional light squalls At 6.20 took in and furled topsails At 7.50 got a cast of lead in 34 fms white sandy bottom

(Signed) C. P. T. Moore
Ensign

From 8 P M to Mid Overcast wet and disagreeable Stiff to very fresh breezes from N E by E. Light to moderate squalls At 9 started fires in two additional boilers At 10 & 12 cast the lead white coral bottom at 32 & 30 fms. Steam in 6 boilers St pres 45 lbs Bar 30.13 Steaming On course N E by N. Long swell from N.E. & E. Considerable flying scud from same direction

(Signed) C. L. Brune
Midshipman

Norwegian Bark - In 2d Dec 5, 170

Examined and found to be correct.

Signed G. N. Curtis Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At Sea. Making passage from Rio de Janeiro to Bahia Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	2	N.E by N	E.N.E	5.6		30 12	73	71	69	76	fog ps	cum nimb	1	S	
2	7	2	"	"	5		30 16	73	71	69	76	fog	"	2	"	
3	7	4	"	"	5.6		30 18	72	71	69	76	"	"	4	"	
4	7	5	"	"	5		30 16	73	71	69	76	"	"	1	"	
5	7	5	"	N.E by E	6		30 15	72	71	69	75	"	"	3	"	
6	7	5	"	"	6		30 17	73	71	69	75	"	cir cum + Nimb	4	"	
7	7	6	"	"	6		30 18	72	71	69	75	"	"	3	"	
8	8	2	"	"	6		30 19	73	72	70	75	"	"	4	"	
9	7		"	N.E.	6		30 23	73	72	70	75	bc	cir cum	5	M	
10	8	0	"	"	6		30 25	73	73	69	75	"	"	6	"	
11	8	0	"	"	6		30 25 ×	73	73	69	75	"	"	7	"	
Noon.	6	0	"	"	6		30 23	73	73	68	75	"	"	6	"	

Sq No 635

Distance run by Log since preceding Noon 157 knots 0 tenths fathoms.

Latitude by D. R. at Noon S. 17. ° 17 ' 36"

Longitude by D. R. at Noon Or 37 ° 33' 00"

Latitude by Observations at Noon ⊙ S. 16 °42 '37"

Longitude by Chronometer from Forenoon Observations ⊙ Or 37 °49 '33"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours 150 "

Water remaining on hand fit for use at Noon 1200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	4	2	N N E	E.S.E	6		30 23	74	73	69	75	bcq	cir cum + Nimb	2	W	
	4	2	N ½ E													
2	8	1	"	"	5.6		30 18	75	73	69	75	"	"	2	"	
3	8	7	"	"	6		30 13	73	73	69	75	"	"	2	"	
4	9	0	"	"	6		30 ×13	74	73	69	75	"	"	2	"	
5	9	0	"	"	6		30 15	74	73	69	77	"	"	5	"	
6	9	0	"	"	5		30 20	74	73	69	77	"	"	2	"	
7	9	6	"	"	5		30 17	74	73	69	76	bc	"	2	"	Tank in gaff topsail
8	9	0	"	"	5		30 18	74	73	69	76	"	"	3	"	
9	9	2	"	"	6		30 20	74	73	69	76	"	"	4	"	
10	9	6	"	"	6		30 ×20	74	72	69	76	"	"	6	"	
11	9	6	"	"	6		30 19	74	72	69	76	"	"	6	"	
Mid.	9	4	"	"	6		30 19	74	72	69	76	"	"	4	"	

Sq No 653

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ackley, U. S. Navy,

Friday August 29th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Generally cloudy and squally with passing showers of rain first hour Stiff to fresh breezes from E. N. E. & Long swell from S.E. & E. Bar rising At 2 & 4 got casts of lead in 35 & 18 fms coral bottom Distilling Fires in six boilers Av press 55 lbs. Rev 45

(Signed) L. P. Jouett
Master

From 4 to 8 A M. Cloudy and pleasant with fresh breezes from N. E by E. Long swell from same direction Bar rising At 7 45 set topsails and J. G. sails. Fore topsail split in the leech took in fore topsail and J. G sails On course N E by N At 5 got cast of lead in 23 fms water hard bottom Steaming 3/4 power. Rev 45. St press 55 lbs. Distiller in operation

(Signed) A. C. Lemly
Ensign

From 8 A M to Mid Fair and pleasant with fresh breezes from N. E At 8 30 bent fore topsail and at 9 00 set fore topsail and J.G. sails At 10 set gaff topsail At 9.10 got cast of the leads in 45 fms no bottom Changed course to N N E. at 1300 Steaming 6 boilers Av press 55 lbs. Av Rev 44. Distilling Henry King (os) reported the expiration of his term of service At 10 sighted a brigantine standing to Nd

(Signed) C. P. T. Moore
Ensign

From Mid to 4 P.M. Cloudy and pleasant. Stiff to fresh breezes from E N E frequent rain squalls. passing ahead and astern Moderate sea and long swell from E'd At 12 changed course to N N E. At 12 30 changed course to N 1/2 E. Engaged in repairing old topsails On course N 1/2 E. under steam and sails Fires in six boilers Av st press 55 lbs. Rev 45. Distilling Bar falling 30.13

(Signed) C. L. Bourne
Midshipman

From 4 to 6 P M. Generally cloudy and squally. Stiff to fresh breezes from E N E. Moderate sea Bar rising Fires in six boilers Av st press. 55 lbs. Rev 44. Distilling

(Signed) L. P. Jouett
Master

From 6 to 8 P M. Cloudy but pleasant with stiff breezes from E. N E. Moderate sea On course N 1/2 E. under plain sails & J.G. sails M. topsail Took in gaff topsail at 6 50 Steaming 4/4 power Av st press 55 lbs. Rev 46. Distilling (Signed) A. C Lemly
Ensign

From 8 P M to Mid. Fair and pleasant with fresh breezes from N E On course N 1/2 E. Bar steady and moderate sea. Steaming 6 boilers Av press 55 lbs. Rev 48 Distilling

(Signed) C. P. T. Moore
Ensign

Moon's phase. 2nd Qr. Lat. N. 14°

Examined and found to be correct.

Signed
C. K. Curtis Lieut.
Navigator.

LOG of the UNITED STATES. Steamer Essex 3d Rate, 6 Guns,

At Sea Making passage from Rio de Janeiro to Bahia Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	9	1	NNE	ESE	6		30 15	75	74	69	76	bc	Cir+Cum	5	M	Tops'ls foresail T. Boats
2	9	7	"	"	6		30 15	75	74	69	76	"	"	8	"	Set T. staysail spanker
3	9	6	"	"	6		30 10	75	73	69	76	"	"	9	"	M. T'gsail
4	3 6	6 0	NNE	"	6		30 10	74	73	69	76	"	"	9	"	
5	8	6	"	SEbyE	6		30 10	74	73	69	76	"	"	6	"	
6	8	0	"	E	4.5		30 21	76	73	69	76	"	"	2	"	
7	8	2	"	EbyS	5		30 20	75	73	69	76	"	"	3	"	
8	8	4	"	ESE	5		30 20	75	73	69	76	"	"	5	"	
9	4	1	NbyE	"	4		30 22	75	73	70	76	"	"	4	"	Set royals + gaff topsail
10	7	8	"	SbyE	4		30 23	75	74	71	76	"	"	3	"	
11	7	8	"	SE	4		30 23	75	74	71	76	"	"	3	"	Took in spanker gaff topsail
Noon.	7	8	"	"	4		30 22	75	74	71	76	"	"	3	"	+ M. T. staysail

Lat. obs. P.M. 13° 14' 43"

Distance run by Log since preceding Noon	210 knots	2 tenths fathoms.
Latitude by D. R. at Noon	S. 13	° 14' 43"
Longitude by D. R. at Noon	W. 38	° 5' 33"
Latitude by Observations at Noon ⊙	S. 13	° 9' 57"
Longitude by Chronometer from Forenoon Observations ⊙	W 38	° 25' 32"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		° ' "
Variation of the Compass by Azimuth ⊙ observed at		° ' "
Water expended during the preceding 24 hours	3000 gallons.	
Water Condensed during the preceding 24 hours	700 "	
Water remaining on hand fit for use at Noon	1650 "	
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.															
1			S.	SE	4	30 22	75	76	71	bc	Cum Nimb	2	S.	Took in topsails + M.
2		Standing into Bahia	SEbyE	SEbyE	4	30 20	74	74	70	bc/p	"	2	"	t'gsail
3			SEbyE	"	4	30 14	73	73	69	"	"	1	"	
4			NE	"	4	30 14	73	72	69	oc/p	"	0	"	
5			"	SE	5	30 12	74	73	69	oc	"	0	"	
6			"	"	5	30 13	75	73	69	"	"	0	"	
7			"	"	5	30 15	75	74	69	"	"	0	"	
8			ENE	S. SE	5	30 15	74	74	70	"	"	0	"	
9			"	"	3.5	30 22	74	73	70	"	"	0	"	
10			S.	"	3.5	30 20	75	73	70	oc/p	"	0	"	
11			"	"	3.5	30 20	75	71	70	"	"	0	"	
Mid.			"	"	3.5	30 20	74	71	70	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙		° ' "
Longitude by Chronometer from Observations *		° ' "
Variation of the Compass by Amplitude observed at Sunset		° ' "
Variation of the Compass by at		° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Saturday August 30th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M. Clear and pleasant. Fresh breeze from E by E. At 32 changed course to N ½ W. Bright moonlight Moderate seas Long swells from S.E. & E. during first part of watch Considerable sand passed over from E. On course under steam and sail Fires in six boilers Rev 50 As at pres 55 lbs. Distilling Bar 30.10

(Signed) C. L. Brune
Midshipman

From 4 to 8 a M. Clear and pleasant. Stiff to fresh breeze from N E by E to E. Moderate seas Fires in six boilers As pres 55 lbs Rev. 48. Distilling

(Signed) L. P. Jouett
Master

From 8 a M to Merid Cloudy but pleasant with moderate breeze from E N E to N E. Smooth sea. Barometer At 8 05 set royals & gaff topsail At 10 took in spanker. gaff topsail and F. T. staysail 10.25 sighted land ahead At 12. took in forecail and light sails Changed course to N by W. steaming 3/4 power. As pres. 50 lbs. Rev. 45. Distilling

(Signed) J. C. Lemly
Ensign

From Merid to 4 P.M. Cloudy and pleasant with moderate breeze from N. E to N E by E. steaming into Bahia harbor under direction of Comdg Officer At 12 50 took in topsails & M. top sail At 1.30 came to anchor in 8 fms water with stbd anchor. & 45 fms chain Bearings at anchor Buoy on Gambroa Banks (pcl) N by E ½ E. Fort San Marcello E ½ N. Draft of water forrid 13 ft 9 in Amids 14 ft 0 in Aft 15 ft 11 in Confined James Smith Ldr court martial prisoner in single irons for safe keeping by order of Comdg Officer Sent boat to U S Consul

(Signed) C. P. T. Moore
Ensign

From 4 to 8 P M. Overcast and pleasant Stiff breeze from N E by E. Bent new mainsail took a single reef and put the cover on the yard Obscured moonlight during latter part of watch Strong ebb tide. Bar 30.15 Fires banked in two boilers As pres 25 lbs. Distilling

(Signed) C. L. Brune
Midshipman

From 8 P M to Mid Overcast and cloudy with passing showers of rain after 9. Gentle to stiff breeze from N. N E. Smooth sea Bar Steady At 9 30 swung to flood Fires banked in two boilers As pres 25 lbs. Distilling

(Signed) J. C. Lemly
Ensign

Moons phase 3d qr. Dec N. 9°

Examined and found to be correct.

(Signed) C. N. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Bahia Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			A.	A. Eby E	4		30 19	74	71	69		bc r	Cum Nimb	1	A	
2			"	"	4		30 13	73	70	68		"	"	0	"	
3			"	"	4		30 13	73	70	68		"	"	0	"	
4			"	"	4		30 13	74	71	69		cirq.	"	0	"	
5			A E	A. E	4.6		30 13	74	71	69		"	"	0	"	
6			"	"	4.6		30 14	74	71	69		"	"	0	"	
7			"	"	4.6		30 13	74	72	69		bcq	"	2	"	
8			"	"	4.6		30 15	74	72	69		"	"	3	"	
9			E	A. Eby A.	4.5		30 20	75	73	69		bc	cir Cum + Nimb	2	"	
10			A.	"	4		30 20	75	75	69		"	"	2	"	
11			"	"	4.5		30 20	75	75	69		"	"	5	"	
Noon.			"	"	4.5		30 20	75	75	69		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 1100 "

Water remaining on hand fit for use at Noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			A.	A E by A.	4		30 19	75	74	70		bc	cir Cum + Nimb	5	A	
2			"	"	4		30 17	76	73	69		"	"	5	"	
3			"	"	4		30 15	76	73	69		"	"	5	"	
4			"	"	4		30 14	76	73	69		"	"	5	"	
5			E by N.	"	5		30 16	75	74	73		"	"	5	"	
6			N E	"	5		30 18	75	74	73		"	"	6	"	
7			N E by N	A E.	4		30 20	75	73	72		"	"	6	"	
8			"	"	3		30 20	74	74	69		"	"	7	"	
9			E N E.	A. A E	3		30 20	75	74	69		"	cir Cum	6	A	
10			E	"	2		30 25	76	74	70		"	"	7	"	
11			A.	"	1		30 25	76	74	70		"	"	6	"	
Mid.			A by E.	"	1		30 20	76	74	70		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander S. D. Ashley, U. S. Navy,

Sunday August 31st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Cloudy and rainy with moderate breeze from SE by E. Bar unsteady Long swell from do

(Signed) C. B. T. Moore
Ensign

From 4 to 8 A M Overcast and disagreeable with frequent moderate squalls and rain, during the latter part cloudy and pleasant. Moderate to fresh breeze from SE. Fresh in squalls At 4.20 current to ebb. Flying scud from do & to do Fires banked in two boilers Ab pres 25 lbs. Distilling Bar 30.15

(Signed) C. L. Brune
Midshipman

From 8 A M to Meridn Clear and pleasant with occasional squalls Moderate to fresh ~~squalls~~ breeze from SE by S. At 9.45 mustered at quarters and inspection afterwards had divine service Fires banked in two boilers Ab pres 25 lbs. Distilling

(Signed) L. P. Jouett
Master

From Meridn to 4 P M. Partially clear and pleasant. Moderate to fresh breeze from SE by S. Long swell from same direction Fires banked in two boilers Steam 25 lbs Distilling.

(Signed) A. C. Lemly
Ensign

From 4 to 8 P M Fair and pleasant. with stiff to gentle breeze from SE. Bar rising Long swell from do Tide turned ebb at 4.30

(Signed) C. B. T. Moore
Ensign

From 8 P. M to Mids Clear and pleasant. Gentle breeze to light airs from S. SE. Fires banked in two boilers Ab pres 25 lbs Distilling

(Signed) L. P. Jouett
Master

Moons phase Full Moon Dec. S. 3°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut.
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

Harbor of Pahia Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W by S.	S. E	3		30 19	75	73	71		bc	Cir + Cum	6	L	
2			"	"	2		30 19	75	73	71		"	"	6	"	
3			"	"	2		30 18	75	73	70		"	"	6	"	
4			"	"	2		30 16	75	72	69		"	"	6	"	
5			N E	"	3		30 15	74	72	68		"	"	6	"	
6			"	"	3		30 15	74	72	68		"	"	6	A.	
7			N N E	E S E	2		30 19	74	71	68		"	Cir Cum + Nimb	6	"	
8			N E by N	S E by E	2		30 19	74	74	70		"	"	7	"	
9			N E by E	"	4.5		30 19	74	74	70		bc ps	"	7	L	
10			"	"	4.5		30 18	76	76	70		bc	"	5	"	
11			S.	"	4.5		30 18	76	76	70		bc ps	"	6	"	
Noon.			"	"	4.5		30 18	76	76	70		"	"	7	"	

Distance run by Log since preceding Noon ____ knots ____ fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time ____ knots ____ fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 500 "

Water remaining on hand fit for use at Noon 2650 "

Coal consumed during the preceding 24 hours ____ tons ____ lbs.

Coal remaining on hand at Noon " "

P. M.																
1			S.	S. E	4		30 20	76	76	70		bc	Cir Cum	6	L	
2			"	"	5		30 20	77	76	70		"	"	7	"	
3			"	"	5		30 20	76	76	70		"	"	5	"	
4			"	"	5		30 18	75	76	70		"	"	6	"	
5			"	"	4		30 17	76	75	71		"	"	6	"	
6			N E	"	3		30 19	76	75	72		"	"	6	"	
7			"	"	2		30 20	76	75	72		"	"	6	"	
8			"	"	2		30 18	74	74	71		"	"	6	"	
9			"	"	2		30 18	76	74	70		"	Cum Nimb	6	"	
10			N E by E	"	2		30 20	76	74	70		"	"	6	"	
11			S	"	2		30 20	76	74	70		"	"	4	"	
Mid.			"	"	2		30 20	76	73	69		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. L. Schley. , U. S. Navy,

Monday September 1st , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a M Clear and pleasant. with light to gentle breeze from S E. Long swell from same direction Bar falling Fires banked in two boilers At pres. 25 lbs. Distilling
(Signed) L. C. Lemly
Ensign

From 4 to 8 a M. Fair and pleasant. with gentle to light breeze from S E to E S E. and S E by E. Bar falling Making preparations for coaling ship
(Signed) C. P. V. Moore
Ensign

From 8 a M to Merid Clear and pleasant. Moderate to stiff breeze from S E by E. Occasional rain squalls. At 9 commenced coaling ship Recd on board 500 bundles of wood. in Equipt Dept. Bar steady 30.18 Fires banked in two boilers At pres 25 lbs. Distilling Long swell from S E & E At 1030 owing to the flood.
(Signed) C. L. Bruns
Midshipman

From Merid to 4 P M. Clear and pleasant. Moderate to stiff breeze from S E Engaged in coaling ship Fires banked in two boilers At pres 25 lbs. Distilling
(Signed) L. P. Jouett
Master.

From 4 to 8 P M. Clear and pleasant. with moderate breeze to light airs from S E. Long swell Bar rising At 5.30 owing to stbd. Engaged in coaling ship Fires banked in two boilers At pres 25 lbs Distilling
(Signed) L. C. Lemly
Ensign

From 8 P M to Merid Cloudy and pleasant. Light breeze from S E At 9.30 finished coaling ship Recd 84 tons 13 of which were stowed on deck At 10.30 owing to flood Fires banked in two boilers At pres 25 lbs. Distilling Bar 30.20
(Signed) C. L. Bruns
Midshipman

Moons phase 3d qr Dec. N 2°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			A. & E	E	2,3		30 26	74	72	69		bc	Cir Cum & Nimb	5	N	
2			"	"	2,3		30 26	74	72	69		"	"	6	"	
3			"	"	2,3		30 20	74	72	69		bc/s	"	2	"	
4			"	"	2,3		30 20	74	72	69		bc	"	7	"	
5			"	NE	2		30 18	74	72	69		oc	"	0	E	
6			NE	"	2		30 17	73	71	69		"	"	0	"	
7			A. by N.	"	4		30 19	73	71	69		oc/s	"	0	"	
8			A. E.	"	5		30 20	74	73	69		"	"	0	"	
9	4	2/5	E & NE	"	5		30 21	74	74	69		bc	Cir Cums	5	"	
10	6	0	"	"	5		30 22	74	74	69		"	"	8	"	
11	6	0	"	"	5		30 23	75	75	70		"	"	8	"	
Noon.	5	0	"	"	4		30 23	75	75	70		"	"	9	"	

Distance run by Log since preceding Noon — knots A. 13 fathoms. 5 30"

Latitude by D. R. at Noon — A. 38 . 8 56"

Longitude by D. R. at Noon

Latitude by Observations at Noon ⊙ . . "

Longitude by Chronometer from Forenoon Observations ⊙ . . "

Sg 76 Current during the time knots fms. per hour, setting to the

643 Variation of the Compass by Amplitude ⊙ observed at Sunrise . . "

Variation of the Compass by Azimuth ⊙ observed at . . "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 350 "

Water remaining on hand fit for use at Noon 2700 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	5	5	E	A. E	5	30 18	76	76	70	77	bc	Cum Str	9	W	
2	5	5	"	"	5	30 18	76	76	70	77	"	"	9	"	
3	6	4	"	"	5	30 15	76	75	70	78	"	"	9	"	
4	6	6	"	"	4	30 15	76	75	70	78	"	"	9	"	
5	6	2	"	A. E by S.	4	30 17	75	74	69	77	"	Cir Cum Str.	5	"	
6	6	0	"	A. E	4	30 15	75	74	69	77	"	"	2	"	
7	5	9	"	"	4	30 15	75	74	70	77	"	Cum Nimb	6	"	
8	5	7	"	"	4,5	30 18	75	74	71	77	"	"	5	"	
9	4	5	"	A. E by S.	5	30 20	75	74	71	76	"	Cums	1	"	
10	5	9	"	A. A. E	5	30 19	75	74	71	76	"	Cir Cums	5	"	
11	6	1	"	"	5	30 15	75	72	69	76	bc/s	Cir Cum & Nimb	2	"	
Mid.	6	4	"	"	5	30 13	75	72	69	76	bc.	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ . . "

Longitude by Chronometer from Observations * . . "

Variation of the Compass by Amplitude observed at Sunset . . "

Variation of the Compass by at . . "

under the command of Commander W. A. Schley, U. S. Navy,

Tuesday September 2d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a m Clear and pleasant Light passing showers of rain third hour At three started fires in four boilers Fires in six boilers At pres 25 lbs. Distilling

(Signed) L. P. Jouett
Master

From 4 to 8 A M. Overcast and cloudy. with passing showers latter half. Light to stiff breeze from S E. Long swell from same direction At 530 ceasing to distill. At 5.35 stopped distilling At 6. brought to starboard chain and hove in to 2 fms. At 620 called all hands hove up starboard anchor and stood out to sea under steam. Draft of water forward 14 ft 3 in Amidships 15 ft 2 in Aft. 16 ft 1 in At 8 took departure of San Antonio L. H. (pt) N. distant 7 miles Set course E. S E. Steaming 3/4 power. St pres 60 lb. Rev 50

(Signed) D. C. Lemly
Ensign

From 8 a m to Meridn Clear and pleasant. with stiff to moderate breeze from S E. Bar rising Long swell from S E At 815 changed course to E. and set Jib Mn trysail. and spanker On course E. Steaming 6 boilers St pres 55 lbs Rev. 47.

(Signed) C. P. T. Moore
Ensign

From Meridn to 4 P.M. Clear and pleasant stiff to moderate breeze from S.E. At 130 lost sight of land. At 245 set forecsail Long swell from S E. On course E. Under steam and sail Fires in six boilers At pres. 55 lbs. Rev 44. Bar 30 15

(Signed) C. L. Brownell
Midshipman

From 4 to 6 P.M. Partially cloudy. Moderate breeze and swell from S E by S to S E. On course E. Fires in six boilers At pres 55 lbs Rev 45

(Signed) L. P. Jouett
Master

From 6 to 8 P M Partially clear and pleasant. Moderate to stiff breeze from S E. Moderate sea. On course E. under steam in six boilers with jib and forecsail. Mn trysail and spanker. St pres 55 lbs. Rev. 44. Bar. rising

(Signed) D. C Lemly
Ensign

From 8 P M to Mid Fair and pleasant. weather with stiff breeze from S E by S. to S. S E. becoming puffy and unsteady towards end of watch. Third hour passing showers Steaming with 6 boilers At pres 55 lbs. Revs On course E

(Signed) C. P. T. Moore
Ensign

Moons phase 3d qr. Dec. N 8°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	1	E	S.E	5		30 15	75	74	69	77	bc	Cum Str	6	M	Foresail Jib M.topsail spun out
2	6	4	"	"	6		30 N	75	73	69	77	"	"	2	"	furled foresail
3	6	7	"	"	6		30 N	75	72	69	77	"	"	3	"	
4	6	8	"	"	6		30 15	75	73	69	77	"	Cir Cum & Numb	5	"	
5	6	2	"	"	5		30 15	75	75	69	77	"	"	4	"	Set all sail except
6	5	6	"	"	4.5		30 15	75	74	69	77	"	"	2	"	Msail
7	5	6	"	"	5		30 N	75	74	69	77	"	Cir bound	6	"	
8	½	4/8	E & N E	"	5		30 N	75	75	69	77	"	"	8	"	
9	4	2	N E by E & 1/4 E	S.E by E	4		30 17	75	76	70	78	"	"	8	C	Set Msail
10	4	4	"	"	4		30 18	76	77	71	78	"	Cir Str	8	"	Set M.t Mig topmast staysails
11	4	2	N & 1/2 E	E & S	4		30 N	75	75	71	78	"	"	9	"	
Noon.	3	0	"	"	4		30 15	75	74	71	78	"	"	9	"	Set Mig Staysail

Distance run by Log since preceding Noon 136 knots 9 tenths fathoms.

Latitude by D. R. at Noon S. 12 ° 39 ' 49"

Longitude by D. R. at Noon W. 35 ° 53 ' 16"

Latitude by Observations at Noon ⊙ S. 12 ° 17 ' 06"

Longitude by Chronometer from Forenoon Observations ⊙ W. 35 ° 52 ' 16"

Sig No Current during the time knots fms. per hour, setting to the

643 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	3	8	N E ½ E	N.E by E	3		30 15	75	74	71	78	bc	Cir Cum	9	L	Sail alone
2	3	2	"	"	3		30 13	75	75	70	78	"	"	9	"	All sail
3	2	6	N E 3/4 E	"	3		30 11	76	76	70	78	"	"	9	"	
4	3	4	"	"	3		30 10	76	75	69	78	"	"	6	"	
5	4	5	"	"	4		30 10	76	75	69	78	"	"	8	L	Hauled down & stowed
6	4	9	N E by E & N E	"	4		30 10	76	75	69	78	"	"	6	"	Flying jib
7	4	6	N E by E	"	4		30 10	76	75	69	78	"	"	8	L	
8	4	8	"	"	4		30 10	75	75	69	78	"	"	9	"	
9	5	6	"	"	4		30 11	75	74	71	78	"	"	7	"	
10	5	3	"	"	4		30 13	75	74	71	78	"	"	7	"	
11	6	2	N E by E & N E	N.E	4.5		30 13	74	73	70	78	"	"	6	"	
Mid.	6	2	"	"	4.5		30 15	74	72	70	78	"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. L. Ickley, U. S. Navy,

Wednesday. September 3d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 a m. Cloudy and pleasant. Stiff to fresh breeze from S & E At 12.50 parted jib sail On course E. under steam and sail Fires in six boilers Av pres 55 lbs Rev 44. Moderate sea and long swell from S & E Bar steady 30.15

(Signed) C. L. Brune
Midshipman

From 4 to 8 a m Partially cloudy first part. Clear and pleasant latter part. Moderate to stiff breeze from S E. At 6 o clarted distiller At 7.30 stopped steaming and set all sail except mainsail Steering full and by. heading E N E at end of watch

(Signed) L. P. Jouett
Master

From 8 a m to Merid Clear and pleasant with moderate breeze from S E by E to E S E. Long swell Bar falling slowly. At 9.10 hauled all fires and lowered smoke pipe Set mainsail Main & Miz topmast staysail Rove off new royalls sheets Exchanged colors with an English ship standing to S. Full and by. All plain sail and staysails

(Signed) S. C. Lemly
Ensign

From Merid to 4 P M. Clear and pleasant with gentle breeze from S. E by E. Bar falling Sea smooth Full and by under all sail Restalished fighting boats crews.

(Signed) C. P. T. Moore
Ensign

From 4 to 6 P M. Clear and pleasant. Moderate breeze from S E by E. Long swell from S & E At 5.00 mustered at quarters At 5.15 hauled down and stowed flying jib Full and by. Bar 30.10

(Signed) C. L. Brune
Midshipman

From 6 to 8 P M. Clear and pleasant. Moderate breeze from S E by E. Smooth sea

(Signed) L. P. Jouett
Master

From 8 P M to Mid Clear but clouding over toward end of watch Moderate to stiff breeze from S. E by E. and S E Smooth sea Moon rose at 8.10 Bar rising. Full and by. under all sail except flying jib

(Signed) S. C. Lemly
Ensign

Moored, Chas 3d qr Dec. N. 30

Examined and found to be correct

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	5	E N E	S.E.	4		30 10	74	73	70	77	bc bq	cir cum + Nimbi	3	S	Plain sail to T Royals
2	2	6	Hauling to N E by E	Backing S E by E	4		30 07	73	72	69	77	"	"	2	"	Except gaff topsails
3	5	2	"	"	4		30 04	73	71	69	77	oc bq	"	0	"	
4	4	6	N E by E ¾ E	S.E.	4		30 04	73	71	69	77	bc bq	"	3	"	
5	4	2	N E by E ¼ E	"	4.5		30 07	73	72	69	77	bc q	"	3	M	
6	4	2	N E ¼ E	"	5.6		30 07	74	73	69	77	"	"	3	"	
7	4	3	N E by E	"	4.5		30 07	74	73	69	77	"	"	2	"	Set gaff topsail Mr Mig
8	4	3	N E by E ¾ E	"	5.6		30 07	74	73	70	77	"	"	2	"	topmast staysail
9	3	2	E N E	"	1.4		30 10	74	73	70	77	bc q bc	"	4	S	Hauled down Mr Mig
10	4	6	N E by E	S.E by E	4.5		30 17	74	75	70	77	bc q	cir cum	8	"	topmast staysail
11	5	5	"	"	5		30 17	75	75	70	77	bc	"	9	"	Set M. & Mig topmast
Noon.	4	0	"	"	5		30 15	75	75	70	77	"	"	9	"	staysail

Lat 11 06
Dif 36.11 06

Distance run by Log since preceding Noon 105 knots 1 tenth fathoms.

Latitude by D. R. at Noon S. 11 ° 8 ' 54"

Longitude by D. R. at Noon W. 34 ° 32 ' 86"

Latitude by Observations at Noon ⊙ S. 10 ° 54 ' 46"

Longitude by Chronometer from Forenoon Observations ⊙ W. 34 ° 58 ' 10"

Current during the time 1 knots 2 ~~fms.~~ tenths per hour, setting to the N N by W ½ W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Lat 11 06 S
Dif 36 W
Dg No 644

P. M.															
1	5	5	N E by E	N E by E	5	30 10	75	75	72	78	bc	cir cum	7	M	Set Mig stay sail Set flying jib
2	5	6	"	"	5	30 06	74	75	72	78	"	"	7	"	
3	6	0	N E by E ½ E	N E	5	30 05	75	75	72	78	"	"	7	"	
4	6	0	N E by E ¾ E	"	5	30 04	75	75	72	78	"	"	7	"	
5	5	6	N E by E ¼ E	N E by E	5	30 12	76	74	72	78	"	"	8	"	Hauled down M. & Mig
6	6	0	N E by E ½ E	N E	5	30 10	75	75	71	78	"	"	6	"	topmast staysail &
7	6	1	"	"	5.6	30 10	76	75	70	78	"		6	"	flying jib
8	5	8	N E by E ¼ E	"	5.6	30 09	76	76	70	78	"	"	9	"	
9	6	0	"	"	5.6	30 10	76	76	70	78	"	"	8	S	
10	5	8	N E by E ½ E	"	5	30 10	76	76	70	78	"	"	8	"	
11	5	2	"	"	4	30 10	76	76	70	78	"	"	7	M	
Mid.	5	8	N E by E ¼ E	"	5	30 10	76	76	70	78	"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. L. Ackley, U. S. Navy,

Thursday September 4th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy and squally with moderate breeze from N. E. to S.E. by E. From 12 45 to 1 00 variable baffling but moderate in force. At 12 45 took in royals and muzzen topmast staysail At 12 55 taken aback while hauling down M. topmast staysail Took in spanker and gaff topsail. Swung after yards and hauled up M. sail At 1 15 wore ship to Stbd stowed staysail and gaff topsail Set M. sail and spanker At 3 00 took in spanker and immediately reset it Full and by.

(Signed) C. P. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Moderate to fresh breeze from S.E. fresh in squalls Frequent squalls rising in Stbd & Port passing to windward and ahead At 7.30 set M. & Miz topmast staysail and gaff topsail At 7 40 hauled down and stowed M. & Miz topmast staysail Full and by. At 8 00 course E by S. Bar steady 30.07 Moderate sea Long swells from Stbd & Port

(Signed) C. L. Brune
Midshipman

From 8 A.M. to Merid First hour cloudy with passing showers of light rain Latter part clear and pleasant. Light airs to stiff breeze from S.E. to S.E. by E. At 9 10 set M. & Miz topmast staysail Jas. Sutton (2 cl) J. Donovan (2 cl) J. Pratt (Ldg) and E. A. Chase (Painter) reported their term of enlistment as having expired Steering full and by.

(Signed) L. P. Jouett
Master

From Merid to 4 P.M. Clear and pleasant with stiff breeze from S.E. Moderate sea. Bar falling At 12 45 set mizn staysail and and at 1 00 set flying jib Got a preventer stay from M. topmast to Fore D. B. mast head. Full and by under all sail

(Signed) A. C. Lemly
Ensign

From 4 to 6 P.M. Clear and pleasant with stiff breeze from S.E. to S.E. by E. Bar rising Moderate sea Full and by under all sail At 5 00 exchanged colors with an English ship whose number is H. J. B. S. standing to Stbd & Port

(Signed) C. P. T. Moore
Ensign

From 6 to 8 P.M. Clear and pleasant. Stiff to fresh breeze from S.E. At 6 21 hauled down and stowed flying jib At 6 50 hauled down and stowed M. & Miz topmast staysail Full and by. Bar 30.10

(Signed) C. L. Brune
Midshipman

From 8 P.M. to Mid Clear and pleasant. Moderate to fresh breeze from S.E. Bar steady

(Signed) L. P. Jouett
Master.

Mond phase 3d qr Dec. 8 17°

Examined and found to be correct

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	4	NE by E ½ E	N. E by E	6		30 07	76	75	72	78	bc	Cir + Cum	3	M	
2	6	0	NE by E ½ E	N. E	6		30 07	76	75	72	78	"	"	1	"	
3	5	5	"	"	5		30 10	77	75	72	78	"	"	3	"	
4	6	0	"	"	5.6		30 08	77	75	72	78	"	"	2	"	
5	6	7	"	"	5		30 08	76	75	70	78	"	Cum	2	"	
6	6	0	NE by E ½ E	N. E by E	5		30 07	76	74	71	78	"	Cum Nimb	2	"	Set M. + Mig topmast
7	6	0	"	"	4		30 07	76	75	71	78	"	"	7	"	Staysail and flying
8	5	9	"	"	4		30 10	77	76	71	78	"	"	6	"	jib
9	5	6	NE by E	"	4		30 10	77	77	71	79	"	Str. Cir Cum	8	L	
10	5	5	NE ½ E	"	4		30 10	77	77	73	79	"		2	"	
11	6	2	"	"	4.6		30 10	77	77	73	79	bcg	Cir Cum Nimb	1	"	
Noon.	4	8	NE ¾ E	"	4.6		30 10	77	77	72	79	"	"	1	"	

Distance run by Log since preceding Noon 145 knots 0 ~~fathoms.~~ tenths

Latitude by D. R. at Noon S. 9 ° 19 34"

Longitude by D. R. at Noon W. 33 ° 8 '10"

Latitude by Observations at Noon ⊙ S. 8 ° 57 '12"

Longitude by Chronometer from Forenoon Observations ⊙ W 33 ° 26 '0"

Sig No. Current during the time / knots / ~~fms.~~ tenth per hour, setting to the NW ½ N

652 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8.30 A.M. Lat S. 9 14 Long. W 33 W. 15 ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	6	2	NE by E	N. E by E	5.6	30 10	77	77	74	80	bc	Cir Cum	4	M	
2	6	0	NE ¾ E	"	5.6	30 10	77	77	74	80	"	"	4	"	
3	5	8	NE ½ E	"	5	30 05	77	77	74	80	"	"	5	"	
4	5	8	NE ¾ E	"	5	30 05	77	77	74	80	"	"	8	"	
5	5	6	NE by E	"	5	30 05	77	76	73	80	"	"	8	"	
6	5	7	"	"	5	30 04	77	76	73	80	"	"	8	"	
7	6	1	"	"	5	30 10	77	77	74	80	"	"	8	L	Hauled down M + Mig topmast staysail + flying jib Took in royals
8	6	4	"	"	5	30 07	77	78	74	80	"	"	6	"	
9	6	2	"	"	5	30 06	78	76	72	80	"	"	4	"	Took in + stowed
10	5	2	"	"	5.6	30 07	78	76	72	80	ocpk	"	0	"	Mig staysail + gaff
11	5	3	"	"	6	30 10	78	76	72	80	bc	"	2	"	Topsail
Mid.	5	0	"	"	5.7	30 10	76	74	70	80	oc pk	"	0		

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Ackley, U. S. Navy,

Friday September 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a M Partially cloudy but pleasant with fresh to stiff breeze from NE by E and E. Moonlight Moderate sea. Bar unsettled Full and by under all plain sail Fore flying jib and mizz staysail (Signed) A. C. Lemly Ensign

From 4 to 8 a M Fair to clear weather with stiff to moderate breeze from NE to NE by E Full and by. At 6 o set M. & Miz topmast staysails and flying jib At 8. eighted as sails on other bow (Signed) C. P. T. Moore Ensign

From 8 a M to Meridn Cloudy and pleasant Moderate to fresh breeze from NE by E during last two hours occasional light squalls At 915 exercised divisions at fire quarters Immediately after inspected divisions and bedding The following named men reported the expiration of their terms of service. E. Bass (Cooper) P. D. Bass (C to C) M. Clark (C to C) F. Giles (2 Cl) M. Murray (2 Cl) J. Hennessey (Cl) J. Hughes (2 Cl) Thos Kelly (Ord) M Leary (Lds) J. Shields (L. Cook) Long swells from NE & E Bar 30.15 (Signed) C. L. Brune Mids'hipman

From Merid to 4 P M. Clear and pleasant. Stiff to fresh breeze from NE by E. Smooth sea (Signed) L. P. Jouett Master

From 4 to 6 P M. Clear and pleasant Stiff breeze from NE by E. Smooth sea Bar steady At 5 o mustered at quarters. Cleared all sail On the course NE by E. (Signed) A. C. Lemly Ensign

From 6 to 8 P M. Clear and pleasant with stiff breeze from NE by E Bar unsteady Long swells from N.E. On course NE by E At 7. hauled down and stowed M. & Miz topmast staysail At 745 hauled down & stowed flying jib (Signed) C. P. T. Moore Ensign

From 8 P M to Mid Cloudy and pleasant Overcast and passing rain during 3d & 4th hours Stiff to very fresh breeze from NE by E Occasional squalls At 935 hauled down & stowed Miz staysail and gaff topsail and cleared down T. Sails to a squall At 9 50 set T. sails At 1130 cleared down T. G. sails to a squall At 1150 set T. S. sails Ship on course NE by E. Bar steady 30.10 (Signed) C. L. Brune Midshipman

Moons phase 3d qr. Decl N 21°

Examined and found to be correct.

(Signed) C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	0	N E ¾ E	S E by E	4.5		30 10	77	76	70	79	bcq	Cir Cum + Strat	2	M	Plain sail to Royals
2	6	0	N E ½ E	"	5.6		30 10	77	76	70	79	"	Cir + Cum	6	"	
3	5	8	N E ¾ E	"	5.6		30 05	77	76	70	79	"	"	5	"	
4	6	0	N E by E	"	5.6		30 05	77	76	70	79	"	"	8	"	
5	5	8	"	"	5		30 03	77	75	73	79	bc	Cir Cum + Str	2	"	Set gaff topsail
6	6	0	"	"	5.6		30 05	77	75	73	79	"	Cir Cum	2	"	
7	5	8	"	"	5		30 05	77	75	74	79	"	"	4	"	Set royals M + Mig topmast staysails
8	5	4	"	"	5		30 07	77	76	74	79	"	"	3	"	Set flying jib
9	5	6	N E ½ E	"	5		30 10	78	77	76	80	"	"	5	"	Took in royals M + Mig topmast staysails + flying jib
10	6	1	"	"	5		30 07	78	78	76	80	"	Cir Cum + Cumb	5	"	
11	6	0	"	"	5.6		30 07	78	77	76	80	bcq p	"	2	"	
Noon.	3	9	N E	S E by E	4		30 07	78	76	76	80	bc	Cir Cum	3	"	Set royals M + M top staysl

Lat 7. 17. 37
Long 32. 26. 32

Distance run by Log since preceding Noon 136 knots 7 tenths fathoms

Latitude by D. R. at Noon S. 7 ° 17 ' 48"

Longitude by D. R. at Noon W. 31 ° 53 ' 00"

Latitude by Observations at Noon ⊙ S. 7 ° 2 ' 49"

Sg N Longitude by Chronometer from Forenoon Observations ⊙ W. 32 ° 12 ' 58"

652 Current during the time 1 knots fms. per hour, setting to the N W ½ W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 830 a m { Lat S 7.20. Long W. 33.26 } W 13 ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	3 / 1	7 / 9	N E ¼ E / N E ½ N	E S E	5	30 07	78	76	74	80	bc	Cir Cum	2	M	Set Fly. jib
2	6	3	"	S E by E	5	30 09	78	76	74	80	"	"	3	"	Hauled down + stowed fly jib
3	5	0	N E ¾ N	"	5.6	30 03	78	77	74	80	bcq p	Cir Cum + Nimb	0	"	Hauled down + stowed M + Mig topmast staysail
4	5	1	N E ½ N	"	5	30 02	78	77	74	80	bc	"	3	"	Lowered down royals and F.B sails
5	6	8	N E by N	"	5	30 00	77	77	74	80	bcq	"	2	"	Set M top staysail + F.B sails
6	7	0	"	"	5	30 00	78	77	74	80	"	"	1	"	Took in gaff topsail
7	6	6	"	"	5.6	30 02	78	76	74	80	"	"	4	"	Took in fore top staysail royals + spanker
8	7	0	"	"	5.6	30 02	79	76	74	80	bc	"	7	"	Set spanker
9	7	0	"	"	5.6	30 04	79	77	74	80	"	"	5	"	
10	5	3	"	"	4.5	30 02	78	77	75	80	bcq p	"	7	"	
11	4	0	"	"	4	30 02	78	77	75	80	bc	"	5	"	Took in + set F.B sails
Mid.	4	6	"	"	4	30 04	78	77	76	80	"	"	5	"	

Lat 6. 18. 25
Long 31. 52. 37

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Saturday September 6th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Generally clear and pleasant. Moderate to fresh breeze from NE by E Moderate sea At 145 passed a brig standing to Nd + Wd At end of watch ship on course NE by E (Signed) L. P. Jouett.
Master.

From 4 to 8 A M Cloudy but pleasant with stiff to fresh breeze from NE by E. On course NE by E. Sea moderate Bar rising At 515 set gaff topsail 725 royals and 750 M. and Miz topmast staysails At 8 changed course to NE ½ E. (Signed) A. G. Lemly
Ensign

From 8 A M to Merid Fair to cloudy weather with stiff to fresh breeze and then to moderate breeze from NE by E to NE. At 8 changed course to NE ½ E. At 825 set Miz staysail At 9 set flying jib At 1045 took in flying jib and royals M + Miz. topmast staysails to a light squall from NE. Stowed flying jib At 1150 reset M + Miz topmast staysail and royals. J. O'Donnell (1 Cl) and Jere Murray (Lds) reported the expiration of their terms of service (Signed) C. P. T. Moore
Ensign

From Merid to 4 P M. Cloudy to pleasant during last hour overcast and equally stiff to fresh breeze from E. by E to NE. At 1245 changed course to NE ½ N At 1250 set flying jib At 2 hauled down + stowed fly. jib At 245 hauled down M + Miz topmast staysails 255 clewed down royals and T.G sails to a light squalls from E. by E At 320 set royals + TG sails, at 325 set M. top. staysail Moderate sea Long swells from Nd + Ed On course NE ½ N Bar falling 3a02 (Signed) C. L. Brune
Midshipman

From 4 to 6 P M. Cloudy and pleasant. Equally stiff breeze from NE by E. Moderate sea At 445 took in gaff topsail
(Signed) L. P. Jouett
Master

From 6 to 8 P M. Cloudy and equally first hour Clear and pleasant second Moderate sea At 6 took in M. top. staysail royals and spanker At 655 set spanker On course NE by N under plain sail to TG sails (Signed) A. G. Lemly
Ensign

From 8 P M to Mid Partly cloudy and pleasant with occasional passing showers and light squalls third hour On course NE by N. At 1035 took in T. G sails and set them again at 1050 Bar steady Long swells from E. by E. Ship rolling easily
(Signed) C. P. T. Moore
Ensign

Moons phase 3d qr Dec. N 23°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	7	NEby N	NEby E	6		30 04	78	76	74	79	bc ps	bi Cum & Nimb	7	6	Plain sail to T Royals
2	6	4	"	"	6		30 04	78	77	74	79	bc	bi Cum	9	"	Except gaff topsail
3	6	5	"	"	6		30 02	78	77	74	79	"	"	9	"	
4	6	6	"	"	6		30 02	78	77	74	79	"	"	8	"	
5	6	4	"	"	5		30 00	78	77	74	80	"	"	2	"	Set royals f. jib M. & Miz
6	6	4	"	"	5		30 00 X	78	77	74	80	"	"	2	"	topmast stays'l Miz stays'l
7	6	4	"	"	5		30 05	79	78	74	80	"	"	5	"	
8	7	2	"	"	6		30 05	79	75	74	80	"	"	7	"	
9	9	0	"	"	5.6		30 05	78	76	74	80	bc ps	Cir Cum & Nimb	2	"	
Lg N. 10	6	5	"	"	5.6		30 05 X	78	77	74	80	"	"	2	"	
663 11	6	5	"	"	5		30 05	78	77	74	80	bc	"	0	"	
Noon.	5	2	"	"	5		30 05	78	77	74	80	"	"	0	"	

Distance run by Log since preceding Noon 149 knots / ~~fathoms.~~ tenths

Latitude by D. R. at Noon S 4 ° 46 ' 31 "

Longitude by D. R. at Noon W. 31 ° 13 ' 16 "

Latitude by Observations at Noon ⊙ S 4 ° 32 ' 53 "

Longitude by Chronometer from Forenoon Observations ⊙ W. 31 ° 29 ' 46 "

Lg N. 663 Current during the time knots 9 ~~fms.~~ tenths per hour, setting to the NW ½ W

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 4 PM { Lat 4. 10 / Long W. 31.17 W 14° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	6	0	NEby N	NEby E.	5	30 03	78	78	74	80	bc	Cum	6	6	Set gaff topsail
2	6	4	"	"	5	29 97	78	78	76	80	"	"	8	"	
3	6	1	"	"	5	29 99 X	78	78	76	80	"	"	8	"	
4	5	9	"	"	4	29 97	78	78	76	80	"	"	8	"	
5	5	2	"	NE	4	29 99	78	78	74	80	"	"	9	"	
6	5	2	"	"	4	29 99	78	78	74	80	"	"	8	"	
7	6	0	"	"	4	30 00	78	77	74	80	"	"	9	"	
8	6	6	"	"	5	30 03	78	77	74	80	"	"	9	"	
9	6	8	NNE ½ E	"	5	30 04	79	77	74	80	"	"	9	"	Took in Mizen topsail
10	7	2	"	"	5	30 04	78	77	74	80	"	"	9	"	
11	6	8	"	"	5	30 04	78	77	74	80	"	"	9	"	
Mid.	6	8	"	"	5	30 04	78	77	74	80	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. A. Ashley, U. S. Navy,

Sunday September 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant Fresh breeze from N.E by E Light passing showers during first hour Long swells from N.E & E. On course N E by N. Bar 30.02

(Signed) C. L. Brune
Midshipman

From 4 to 8 A.M. Clear and pleasant Stiff to fresh breeze from N.E by E. Long swells from N.E & E At 7.45 set royals flying jib Main & Miz topmast staysail and Miz staysail John O'Neil M Top reported the expiration of his enlistment

(Signed) L. P. Jouett
Master

From 8 A.M to Merid Generally cloudy but pleasant. Squally first two hours Stiff to fresh breeze from NE by E. Moderate sea Bar steady At 9.30 Comdg inspected ship and crew at quarters At 10 called all hands to muster and read articles for the Better Government of the Navy. Comdr read prayers Mustered crew On course N E by N under all sail except gaff topsail

(Signed) A. C. Semly
Ensign

From Merid to 4 P.M. Clear and pleasant with stiff to moderate breeze from NE by E. On course N by W At 12.50 set gaff topsail Bar falling Long swell from N.E

(Signed) C. P. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant Moderate breeze from N.E. On course N E by N. Bar steady 29.99 Long swell from N.E.

(Signed) C. L. Brune
Midshipman

From 8 to 8 P.M. Clear and pleasant. Moderate to stiff breeze from N.E. Moderate swells from N.E & E

(Signed) L. P. Jouett
Master

From 8 P.M to Mid. Clear and pleasant. Stiff breeze and long swells from N.E. Bar steady at 8. changed course to N N E & 1/2 E Points in Miz top staysail at 8.20 Moore rose at 11.15

(Signed) A. C. Semly
Ensign

Moons phase 3d qr Dec. A. 25°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	0	S.S.E ½ E	SE	5		29 95	77	77	76	80	bc	Cum	7	6	All sail except Mig
2	6	7	"	"	5		29 95	77	76	75	80	"	"	7	"	topmast staysail
3	7	2	"	"	5		29 95	77	76	75	80	"	"	7	"	
4	7	2	"	"	5		29 93	77	76	74	80	"	"	7	"	
5	6	6	"	"	5		29 99	78	77	74	79	"	Cum Str	8	"	Set Mig top staysail
6	7	0	"	"	5		30 01	78	77	74	79	"	"	8	"	Close reefed M. sail
7	6	8	"	"	5		30 02	78	77	74	79	"	"	8	"	
8	6	0	"	"	4		30 05	79	78	74	79	"	"	8	"	
9	6	2	"	"	5		30 05	79	78	75	80	"	"	7	"	
10	6	4	"	"	5		30 05	79	78	76	80	"	"	8	"	
11	6	2	"	"	5		30 00	78	78	76	80	"	Cir Cum + Nimb	7	"	
Noon.	5	0	"	"	5		30 00	79	78	76	80	"	"	4	"	

Distance run by Log since preceding Noon 152 knots 1 tenth fathoms.

Latitude by D. R. at Noon S. 2 ° 7 ' 11"

Longitude by D. R. at Noon W. 30 ° 40 ' 46"

Latitude by Observations at Noon ⊙ S. 1 ° 56 ' 54"

Sg No 663 Longitude by Chronometer from Forenoon Observations ⊙ W. 31 ° 11 ' 38"

Current during the time 1 knots 3 tenths fms. per hour, setting to the N N W ½ W

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a m (Lat S. 2.20 Long W. 31.19 ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 100 "

Water remaining on hand fit for use at Noon 1000 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.														
1	6	0	S.S.E ½ E	SE	5	30 00	79	78	76	80	bc	Cir Cum	2	6
2	6	0	"	"	5	30 00	79	78	76	80	"	"	2	"
3	5	8	"	"	4	30 00	78	78	76	80	"	"	6	"
4	5	6	"	"	4	29 97	78	78	76	79	"	"	7	"
5	5	8	"	"	4.5	29 97	78	78	76	79	"	"	8	"
6	6	0	"	"	4	29 97	78	78	76	79	"	"	8	"
7	5	6	"	"	4	29 99	78	78	76	79	"	"	8	"
8	5	4	"	"	4	30 03	80	78	76	79	"	"	8	"
9	5	4	"	"	4	30 03	80	77	76	80	"	"	8	"
10	5	6	"	SE by S.	4	30 05	78	77	76	80	"		9	"
11	6	2	"	"	4	30 05	78	77	76	80	"	"	8	"
Mid.	6	0	"	SE	4	30 05	78	77	76	80	"	"	8	"

All sail

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Schley, U. S. Navy,

Monday. September 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and pleasant with stiff breeze from S E. Bar falling Long swell from S by E Ex courses N N E ½ N By order of Comdg Officer George Vaughan (Lds) stood three watches for disobedience to W. R. steward

(Signed) L. P. Moore
Ensign

From 4 to 8 A M. Clear and pleasant with stiff to moderate breeze from S E. At 5.30 set Mig topmast staysail At 6 close reefed mainsail At 6 15 started fires in two boilers Long swell from S. W. Bar rising 3 o'r Fires banked in two boilers press 10 lbs

(Signed) C. L. Brune
Mid's Shipman

From 8 A M to Meridn Clear and pleasant Stiff breeze from S E. At 840 started distiller D. J. Downey (B M) reported the expiration of his term of enlistment as having expired Fires in two boilers Distilling On courses N N E ½ E.

(Signed) L. P. Jouett
Master

From Meridn to 4 P M. Cloudy first half clearing latter half of watch Pleasant. Stiff to moderate breeze from S E Long swell Bar steady Fires banked in two boilers Air press 20 lbs Distilling On courses N N E ½ E. under all sail

(Signed) A. C. Lemly
Ensign

From 4 to 6 P M Clear and pleasant with moderate breeze from S E On courses N N E ½ E. At 550 sails reefed on both masts

(Signed) C. P. T. Moore
Ensign

From 6 to 8 P M Clear and pleasant. Moderate breeze from S E On courses N N E ½ E. Long swell from S E. Bar 3.03

(Signed) C. L. Brune
Mid's Shipman

From 8 P M to Mid. Clear and pleasant. Moderate breeze from S. E by S. and S E. Fires in two boilers. Distilling

(Signed) L. P. Jouett
Master

Moons phase At Last qr Dec. A. 26°

Examined and found to be correct

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	8	NNE & NE	SE	4		30 00	78	77	75	80	bc	Cir Cum	7	5	
2	6	2	"	"	4.5		30 00	78	77	75	80	"	"	7	"	
3	6	5	"	"	5		29 98	78	77	75	80	"	"	8	"	
4	7	0	"	"	5		29 95	78	77	75	80	"	"	4	"	
5	7	2	"	"	5		29 95	78	77	75	80	"	Cum	6	"	
6	6	9	"	"	5		29 97	78	77	74	80	"	"	7	"	
7	6	3	NNE	"	5		30 00	78	77	74	80	"	"	7	"	
8	6	1	"	"	5		30 03	79	77	74	80	"	"	7	"	
9	6	5	"	"	4		30 05	80	78	74	81	"	"	7	"	
10	6	5	"	"	4		30 05	80	80	76	81	"	"	7	"	
11	6	1	"	"	4		30 05	80	80	76	81	"	"	7	"	
Noon.	6	2	"	"	4		30 05	80	80	76	81	"	"	7	"	

Distance run by Log since preceding Noon 146 knots 7 ~~tenths~~ fathoms.

Latitude by D. R. at Noon N 0 ° 24 ' 6 "

Longitude by D. R. at Noon W 30 ° 32 ' 44 "

Latitude by Observations at Noon ⊙ N 1 ° 35 ' 36 "

Lg No Longitude by Chronometer from Forenoon Observations ⊙ W. 30 ° 57 ' 12 "

67 Current during the time 1 knots 1 ~~tens~~ tenth per hour, setting to the NW by W ¾ W

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a.m. [illegible] W. 14 ° 45 ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 500 "

Water remaining on hand fit for use at Noon 1200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	3 3	0 2	NNE NE by E ½ E	SE	4	30 00	80	80	80	83	bc	Cir Cum	6	6	
2	5	6	"	"	4	30 00	80	80	80	83	"	"	7	"	
3	5	4	"	"	3.4	30 00	80	80	80	83	"	"	6	"	
4	5	0	"	"	3	30 00	80	80	80	83	"	"	6	"	
5	4	8	"	"	3.4	29 98	80	79	79	83	"	"	4	"	
6	5	2	"	SE by S	4	30 00	80	79	79	83	"	Cir Cum + Nimb	4	"	Set Mizen staysail
7	6	3	"	"	5	29 93	79	80	79	82	"	Cum Nimb	7	"	
8	7	0	"	"	5	29 96	79	80	78	82	"	"	8	"	
9	6	8	"	"	5	29 99	80	80	78	82	"	"	6	"	
10	6	4	"	"	5	30 00	80	80	78	82	"	"	7	"	
11	6	2	"	"	5	30 05	80	80	78	82	"	"	7	"	
Mid.	6	2	"	"	5	30 05	80	80	78	82	"	"	8	"	

Lat. by Obs. 31 Alt. 30, 03

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley , U. S. Navy,

Tuesday September 9th , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M Clear and pleasant with moderate to stiff breeze from NE. Long swell from NE. Bar falling On course NNE & NE under all sail Fires banked in two boilers Ac pres 25 lbs. Distilling

(Signed) A. S. Schley
Ensign

From 4 to 8 A M Clear and pleasant with stiff breeze from NE. Bar rising Sea smooth At 6. changed course to NNE On course under all sail Sighted a sail on lee bow (Signed) C. P. T. Moore
Ensign

From 8 A M to Merid Clear and pleasant. Moderate breeze from NE At 915 inspected at quarters Exercised Co at Arms at small arms Long swell from NE & E Bar 30.05 On course NNE. Fires in two boilers Ac pres 25 lbs. Distilling

(Signed) C. L. Bruce
Midshipman

From Merid to 4 P M Clear and pleasant Gentle to moderate breeze from NE Long swell from NE & E Fires in two boilers Ac pres 25 lbs Distilling

(Signed) L. P. Jouett
Master

From 4 to 6 P M Cloudy but pleasant Gentle to moderate breeze from NE to NEby E. Long swell Took in Mz staysail at 5.15 Fires banked in two boilers Ac pres 20 lbs. Distilling Mustered at quarters at 5.00

(Signed) A. S. Schley
Ensign

From 6 to 8 P M Clear and pleasant with stiff breeze from NEby E. Bar unsteady & sea smooth At 6.15 set Mz staysail On course NNEby E ½ E Fires banked in two boilers Distilling (Signed) C. P. T. Moore
Ensign

From 8 P M to Mid Clear and pleasant Stiff breeze from NEby E. Smooth sea Fires banked in two boilers Distilling

(Signed) C. K. Curtis
Lieut

Moons phase ~~Last~~ qr Dec A. 25°

Examined and found to be correct.

Signed C K Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3rd Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	6	NbyE ½ E	S.E by S.	3.4		30 00	80	79	76	83	bc	Cum Nimb	3	1	
2	6	0	"	"	4		30 00	80	79	76	83	"	"	5	"	
3	6	4	"	"	4		30 00	80	79	76	83	"	"	5	"	
4	6	0	"	"	4		30 x00	80	79	76	83	"	"	5	"	
5	5	6	"	"	4		30 00	80	78	76	83	"	"	5	"	
6	5	4	"	"	4		30 00	80	78	76	83	"	"	5	"	
7	5	2	"	S.S.E	4		30 00	80	78	76	83	"	Cir Cum + Nimb	5	"	
8	5	2	"	"	4		30 04	80	79	76	83	"	"	3	"	
9	5	2	"	"	3		30 06	80	79	77	83	"	"	3	2	Hauled down & cleared and Main topmast Staysail
10	5	2	"	"	3		30 07	80	80	78	83	"	"	2	"	
11	4	8	"	"	3		30 x07	81	81	78	83	"	"	2	"	
Noon.	4	6	"	"	3		30 07	81	81	78	83	"	"	2	"	

Distance run by Log since preceding Noon 136 knots 8 tenths fathoms.

Latitude by D. R. at Noon N 7 ° 51 ' 42"

Longitude by D. R. at Noon W. 30 ° 44 ' 9 "

Latitude by Observations at Noon ⊙ N 3 ° 10 ' 0 "

Longitude by Chronometer from Forenoon Observations ⊙ W. 31 ° 5 ' 51"

Current during the time / knots / tenth fins. per hour, setting to the N W ½ W.

674 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 700 "

Water remaining on hand fit for use at Noon 1600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	1	6	N by E ½ E North	S by E	3	30 07	81	81	78	81	bc	Cir Cum	2	2	Took in Mizen top stayscl
2	3	5	"	"	3	30 05	82	82	78	81	"	"	1	"	Jib F. jib & Msail
3	2	8	"	"	3	30 04	83	83	78	81	"	"	3	"	
4	2	8	"	"	3	30 02	83	83	78	81	"	"	3	"	
5	2	7	"	"	3	30 00	82	82	78	81	"	"	2	"	
6	2	8	"	"	3	30 x00	81	81	78	81	bc	"	0	"	Set Mainsail
7	3	1	"	"	2	30 02	81	80	78	81	bc	Cum Nimb	5	"	
8	3	0	"	"	2	30 03	81	80	78	81	"	"	8	"	
9	3	4	"	"	3	30 03	80	80	78	81	bcz	Cir Cum	8	1	
10	3	6	"	"	3	30 x07	81	81	78	81	"	"	7	"	
11	4	0	"	"	4	30 03	81	80	78	81	"	"	7	"	
Mid.	4	0	"	"	4	29 99	81	80	78	81	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. L. Schley, U. S. Navy,

Wednesday September 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M Partially clear and pleasant Moonlight On course N by E ½ E. under all sail Wind gentle to moderate from S & by E. Sea smooth Bar steady. Fires banked in two boilers Av pres 25 lbs. Distilling (Signed) A. G. Semly Ensign

From 4 to 8 P M. Fair and pleasant weather with moderate breeze from S & by E. Bar rising and sea smooth On course N by E ½ E. Fires banked in two boilers Av pres 25 lbs Distilling (Signed) C. P. T. Moore Ensign

From 8 a M to Mid Cloudy and pleasant. Gentle breeze from N. E & E At 635 hauled down and stowed jib & main topmast stay sails At 915 inspected at quarters and exercised divisions at great guns. James Brown (OS) reported the expiration of his term of service Fires banked in two boilers Av pres 25 lbs. Distilling Bar steady 30.07 Long swell from S E. (Signed) C. L. Brune Midshipman

From Mid to 4 P M Partially cloudy but pleasant. with gentle breeze from S by E. Long swell Bar falling At 1220 changed course to N. Squared away and took in Mig stay sail Jib. F. jib and mainsail At 230 sighted & sail on starboard quarter standing to N W. Fires banked in two boilers Av pres. 25 lbs. Distilling (Signed) A. G. Semly Ensign

From 4 to 6 P M Cloudy and pleasant. with gentle breeze from S by E. On course N. At 530 set Mizzen & Exchanged colors with an English bark standing to N E & N Fires banked in two boilers Av pres 25 lbs Distilling (Signed) C. P. T. Moore Ensign

From 6 to 8 P M. Clear and pleasant Light breeze from S by E. On course N. Long swell from S E. Fires banked in two boilers Av pres 25 lbs. Distilling Bar 30.03 (Signed) C. L. Brune Midshipman.

From 8 P M to Mid Clear and pleasant Gentle to moderate breeze from S by E Hazy around horizon Fires banked in two boilers Av pres. 25 lbs. Distilling (Signed) C. L. Curtis Lieut

Moons phase Last qr Dec A. 2 3°

Examined and found to be correct.

(Signed) C. L. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	9	N.	S.	3		29	97 81	80	75	81	bc	Cum	4	2	Spar sail spanker
2	3	6	"	"	3		30	01 81	80	75	81	"	"	5	"	& gaff topsail
3	3	6	"	"	3		30	01 81	80	75	81	"	"	5	"	
4	3	7	"	"	3		30	01 81	80	75	81	"	"	7	"	
5	4	0	"	"	3		30	00 80	79	78	81	"	"	4	"	
6	4	5	"	"	3		30	00 80	79	78	81	"	"	3	"	
7	4	4	"	"	3		30	00 80	79	78	83	"	"	4	"	
8	4	0	"	"	3		30	00 80	80	78	83	"	"	3	"	Hauled up M sail
9	3	8	"	"	3		30	05 82	81	78	83	"	bir Cum	7	"	
10	4	0	"	S. by W	3		30	05 82	82	78	83	"	"	5	"	
11	4	0	"	"	3		30	05 82	81	78	83	"	"	3	"	
Noon.	4	2	"	"	3		30	05 82	82	78	83	"	"	3	"	Set Jib & jib M sail M & Mz top staysail

N. 4. 03 W. 11. 29

Distance run by Log since preceding Noon 87 knots 6 ~~fms~~ tenths

Latitude by D. R. at Noon N. 4 ° 34' 48"

Longitude by D. R. at Noon W. 31 ° 27' 9"

Latitude by Observations at Noon ⊙ N. 4 ° 48' 26"

Sq No 674 Longitude by Chronometer from Forenoon Observations ⊙ W. 31 ° 32' 37"

Current during the time knots 6 ~~fms~~ tenths per hour, setting to the NNW

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 23 A M Lat N. 4.48 Long W. 31.29 W 14 ° 20' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours 900 "

Water remaining on hand fit for use at Noon 2200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	4		NNW	S. by W	3	30	00	82	82	80	83	bc	bir Cum	2	2	
2	4		NNW ½ W.	"	3	29	97	82	82	79	83	"	"	3	"	Set J 3M and Mz staysail
3	4		"	SSW	3	29	99	81	81	78	83	"	"	3	"	
4	4		"	"	3	29	99	81	81	78	83	"	"	3	"	
5	3		"	"	2	30	01	82	81	76	83	"	"	3	2	
6	3		NW by N	"	2	30	03	81	80	76	83	"	"	2	"	Took in Mz staysail
7	3		"	"	3	30	04	82	81	78	83	clrd	Cum Nimb	0	"	
8	3		"	"	2	30	00	81	81	78	83	"	"	0	"	
9	3		"	S by W	2	30	04	81	80	77	83	ocpc	"	0	"	
10	1		"	Calm	01	30	08	81	80	78	83	ocr	"	0	"	Plain sail except spanker. M. sail and flying jib
11	No	steerage way		"	0	30	08	79	77	77	83	ocpc	"	0	"	
Mid.				"	0	30	05	80	77	77	83	oc	"	0	"	

N. 4. 48 W. 31. 29

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by " at ° ' "

under the command of Commander H. A. Ashley, U. S. Navy,

Thursday September 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Fair and pleasant with gentle breeze from S. Bar steady Long swell from S.E. Ran course N. By order of Condg Officer Geo Vaughan (Ord) stood three watches as punishment insolence to the W. R. steward Fires banked in two boilers Str pres 25 lbs Distilling

(Signed) C. P. T. Moore
Ensign

From 4 to 8 a.m. Cloudy and pleasant Gentle breeze from S. At 6 hauled up mainsail Fires banked in two boilers Av pres 25 lbs Distilling Bar 30.00 Ran course N.

(Signed) C. L. Prune
Midshipman

From 8 a.m. to Merid Partially clear and pleasant. Gentle breeze from S. to S by W. Long swell Bar steady 30.05 Jno Barry (Ord'y Sea) reported the expiration of his term of enlistment At 11.55 changed course to N.N.W. Braced up and set Jib F. Jib Mainsail Main and Mig topmast staysail Mustered at quarters at 9.15 Exercised 2d Div. at single sticks Fires banked in two boilers Av pres 25 lbs. Distilling

(Signed) A. C. Lemly
Ensign

From Merid to 4 P.M. Cloudy and pleasant with gentle breeze from S by W to S.S.W. Bar steady and sea smooth At 1 changed course to N.N.W. ½ W. At 1.45 set F. T. staysail and Mig staysail Ran course under all sail Fires banked in two boilers Av at pres 25 lbs. Distilling

(Signed) C. P. T. Moore
Ensign

From 4 to 6 P.M. Cloudy and pleasant. Light breeze from S.S.W. At 5 changed course to W. by W at the same time mustered at quarters Long swell from 3d & 4th Fires banked in two boilers Av pres 25 lbs. Distilling Ran course N.W. by N Bar 30.01

(Signed) C. L. Prune
Midshipman

From 6 to 8 P.M. Cloudy with occasional passing showers of drizzling rain Gentle to light breeze from S by W. Long swell from S. Took in Mig staysail at 6.30 Fires banked in two boilers Av pres 25 lbs Distilling

(Signed) A. C. Lemly
Ensign

From 8 P.M. to Mid. Overcast and cloudy with passing showers last three hours Light breeze from S. by W first hour and last three hours calm and light var airs At 9.45 took in M & Mig topmast staysail and mainsail At 9.45 took in royals and flying jib Fires banked in two boilers Av pres. 25 lbs Distilling

(Signed) C. H. Curtis
Lieut.

Moons phase Last qr Dec A. 20°

Examined and found to be correct.

(Signed) C. H. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E	Calms	0		29 93	79	79	78	83	oc	Cum Nimb	0	S	T.G. sails topsails jibsail
2			E by N	"	0		29 95	79	79	78	83	"	"	0	"	Jib F.T. staysail
3			E NE	"	0		29 97	79	79	77	83	"	"	0	"	Hauled up foresail
4	"	"	E by N.	"	0		29 97	79	79	76	83	"	"	0	"	Hauled down F.T. staysail
5	"	"	"	"	0		30 01	80	79	78	83	oc	Cir Cum Nimb	2	"	
6	"	"	N.NE	Variable	0.1		30 01	80	78	76	83	"	"	2	"	
7	1	0	NW by N	N.W.	1		30 03	80	78	76	83	"	"	2	"	Set all square sail Flyjib
8	2	5	"	"	3		30 05	80	79	78	83	"	"	2	"	spanker + gaff topsail
9	3	1	"	"	3		30 05	80	80	78	83	oc ps	"	2	"	Set fore main + mizz
10	2	1	"	"	3		30 05	80	79	78	83	"	"	2	"	topmast and mizz
11	2	3	"	"	3		30 05	80	80	78	83	oc	"	4	"	staysail
Noon.	2	3	"	"	3		30 05	80	80	78	83	"	"	7	"	

Distance run by Log since preceding Noon — 50 knots 8 tenths fathoms.

Latitude by D. R. at Noon — N. 5 ° 24' 8"

Longitude by D. R. at Noon — W. 32 ° 8 '27"

Latitude by Observations at Noon ⊙ — N. 5 ° 49 '53"

Longitude by Chronometer from Forenoon Observations ⊙ — W 31 ° 51 '45"

Current during the time __/__ knots 3 tenths fms. per hour, setting to the — N E by N

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8.24 {Lat N 5.43 Long W. 31.44} — W 16. ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 900 "

Water remaining on hand fit for use at Noon — 2800 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.																
1	1	2	N.E. by N													
	1	2	N W.	N.W.	2		30 00	80	88	78	84	oc	Cum Nimb	6	S	
2	2	4	"	"	2		30 00	81	80	78	84	"	"	4	"	Shook out reefs out
3	2	0	"	"	2		29 98	82	82	79	84	"	"	6	"	of mails
4	2	5	"	"	1		29 97	82	83	80	84	"		6	"	
5	1	2	"	"	1		29 97	82	82	80	84	"	Cir Cum + Nimb	5	"	
6	1	0	"	"	1		29 99	82	82	76	84	"		4	"	
7	1	4	N N W	W	1.2		30 02	84	81	76	84	"	Cir Cum Str Nimb	4	"	
8	1	2	"	"	1.2		30 03	84	81	78	84	"	Cum	5	"	
9	0	5	"	"	1		30 05	84	81	78	84	"	"	6	"	Hauled up courses
10	0	4	N N W ½ W.	W by N.	1		30 05	82	81	78	84	"	"	7	"	
11	0	5	N W by N	"	1		30 03	82	81	78	84	"	"	6	"	Set courses
Mid.	0	5	"	"	1		30 03	82	81	78	84	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. L. Schley, U. S. Navy,

Friday September 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From 4 to 8 A M Overcast and pleasant. Calm. At 1230 took in foresail and fore topmast staysail Sea smooth and glassy Heavy cloud bank to N^d & E^d Clouds setting from that direction Sea remarkably phosphorescent. Bar rising Fires under two boilers As pres 25 lbs Distilling

(Signed) G. L. Bruno
Midshipman

From 4 to 8 A M. Calms to light variable airs first half. Light to gentle breeze from S W after 6. Cloudy but pleasant. At 655 set square sail flying jib spanker and gaff topsail Bar rising Fires banked in two boilers At pres 25 lbs. Distilling

(Signed) A. G. Lemly
Ensign

From 8 A M to Meridian Cloudy with passing showers first half clearing last Gentle breeze from S. W. at 9 a light squall passed heading ship off to N. Took in spanker and gaff topsail and braced up. After squall set spanker and gaff topsail and braced in. At 11.55 set D. T. M. and Mizzen staysail on course N 48 W N Bar steady and sea smooth At 11.50 stopped distiller W. P. Spencer (ages) Wm Walker (Seaman) Oscar Olsen (Seaman reported the expiration of their enlistment

(Signed) G. B. T. Moore
Ensign

From Merid to 4 P M Fair and pleasant. Light airs to light breeze from S. W. At 1230 changed course to N W. At 1.45 shook one reef out of mainsail At 130 hauled fires Bar 29.98 On course N W.

(Signed) G. L. Bruno
Midshipman

From 4 to 6 P M Clear and pleasant. Light airs from W. Shifted foresail

(Signed) L. P. Jouett
Master

From 6 to 8 P M. Partially cloudy pleasant Light airs to light breeze from W. Smooth sea Full and by under all sail Bar rising slowly.

(Signed) A. G. Lemly
Ensign

From 8 P M to Mid Fair and pleasant weather with light airs from W to W by S. Bar falling and sea smooth At 850 hauled up courses At 10.15 set them again Full and by.

(Signed) G. B. T. Moore
Ensign

New phase Last qr Dec 16^d

Examined and found to be correct.

(Signed) W. W. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2		N N W N W	N by E	1.2		30 02	81	79	77	83	bc	Cum Nimb	5	A	Under all plain sail & royals & staysails
2	2 / 1	0 5	E by N N N W	N by E & N W	1.6		29 97	79	77	77	83	cqr	"	0	"	
3		6	N. N by W	N by E.	1		29 97	79	77	75	83	bc	"	5	"	Furls in royals M & M topmast and Mig staysails
4	1	0	N N W ½ W	W	1		29 97	80	78	77	83	"	"	6	"	gaff topsails & spanker
5	2	5	N W N N	N N by W	2.3		29 97	80	78	77	84	bcqr	"	2	"	
6	2	0	N W ½ N	"	2		29 97	79	78	78	84	bcq	"	5	"	Set royals fly. jib M.
7	1	5	N W by N	N by E.	1.2		29 99	79	78	78	84	"	Cir "	5	"	& Mig topmast & Mig
8	2	0	"	"	2		30 00	79	78	77	84	bc	Cir Cum	4	"	staysails gaff topsails
9	3	5	N W	N E & N	3		30 05	81	80	77	84	"	"	5	"	& spanker
10	3	5	N W ½ N	N by E	3		30 05	81	80	78	84	"	Cir & Mist Cum	4	"	
11	3	6	N W by N	"	3		30 05	81	80	78	84	"	"	4	"	
Noon.	3.	0	"	"	3		30 04	81	80	78	84	"	Cir Cum	5	"	

Sq No 687

Distance run by Log since preceding Noon	43 knots 8 ~~fathoms~~ Tenths
Latitude by D. R. at Noon	N. 5 ° 5' 35"
Longitude by D. R. at Noon	W. 32 ° 22' 45"
Latitude by Observations at Noon ⊙	N. 6 ° 32 ' 14"
Longitude by Chronometer from Forenoon Observations ⊙	W 32 ° 2 ' 37"
Current during the time 1 knots / ~~fms.~~ tenth per hour, setting to the	N E ½ N.
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at 8.31 a m [W. 6.27 / 31. 52]	W 17. ° ' "
Water expended during the preceding 24 hours	300 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	2500 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

P. M.															
1	3	4	N W by W	W by N.	2.3	30 00	82	81	78	85	bc	Cir Cum & Nimb	6	A	
2	3	6	"	"	2.3	30 05	82	81	78	85	"	"	3	"	Furls in & reef royals
3	4	5	N W ½ W.	W N. W	3.4	30 05	82	81	78	85	"	"	4	"	and flying jib
4	4	4	"	"	3.4	30 05	81	80	78	85	"	"	6	"	
5	4	5	N W.	N. W by W.	3	29 95	81	80	78	84	"	Cir Cum & Nimb	7	"	
6	4	3	"	N. W.	3	29 97	81	80	78	84	"	"	5	"	
7	3	6	N W ½ N.	N W by W.	3	29 94	81	81	78	84	"	Cir Cum	8	"	
8	3	0	N W by N.	W by N.	3	29 96	81	81	78	84	"	"	8	"	
9	2	0	N N E	W to N W.	1.3	30 02	82	81	78	84	bcq	Cum Nimb	5	"	Furls in M & Mig topmast staysails M sail & gaff topsail
10	1	5	"	N W	1.2	30 02	82	81	78	84	"	"	4	"	Furls in royals fly jib jib
11	1	0	"	"	1.3	30 02	82	81	78	84	"	"	1	"	F. & M sails & spanker
Mid.	No obsv.		N. W.	N.	1	30 02	80	77	76	84	cqrg	Nimb	0		Set spanker & foretop staysail

N. 6 02 W. 32 24

Longitude by Chronometer from Afternoon Observations ⊙	° ' "
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander W. A. Ackley, U. S. Navy,

Saturday September 13th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Fair and pleasant during second hour overcast and squally. Light airs to fresh breeze from S.W. to W.by S. At 12.50 took in Main & Miz. topmast and miz. staysails gaff topsail and spanker royals and flying jib to a light squall which passed over accompanied by very heavy rain. During the squall the wind suddenly shifted from W.by S. to W.by E. Bar 29.97 Full and by.

(Signed) C. L. Bruce
Midshipman

From 4 to 8 A.M. First hour cloudy squally and raining Latter three clear and pleasant. Light airs to gentle breeze from S.W.by W. and W.by S. at 6 set royals jib M & Miz. topmast and miz staysails gaff topsails and spanker

(Signed) L. P. Jouett
Master

From 8 A.M. to Merid Partially clear and pleasant Sea smooth Bar steady 30.05 Gentle breeze from S.W. to W.by S. Full and by under all sail By order of Comdr. W. E. Haggerty (C.A.) was confined in double irons for disobedience of orders M. Cleary (Ord. Sea.) reported the expiration of his enlistment

(Signed) A. C. Lemly
Ensign

From Merid to 4 P.M. Fair and warm with light to moderate breeze from W.S.W. to W. Bar rising and sea smooth At 12.00 took in royals and fly. jib to a squall and at 1.00 set them again Full and by.

(Signed) C. P. Moore
Ensign

From 4 to 6 P.M. Fair and pleasant Gentle breeze from S.W.by W. to S.W. At 5 mustered at quarters Ord. cond. W.H. Bar rising Sea smooth

(Signed) C. L. Bruce
Midshipman

From 6 to 8 P.M. Clear and pleasant. Light to gentle breeze from S.W.by W. to W.by S.

(Signed) L. P. Jouett
Master

From 8 P.M. to Mid. First part cloudy and threatening with occasional squalls Light airs to gentle breeze from W.N.W. to W.S.W. Smooth sea Bar steady 30.02 At 8.35 took in staysails mainsail gaff topsail at 10.10 royals and flying jib. 10.55 F. G. sails and spanker and braced round to a squall from W. Continuous rain last hour with vivid flashes of lightening at 11.45 set fore topmast staysail and spanker

(Signed) A. C. Lemly
Ensign

Moons phase Last qr Dec 1. 11°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1		No	steerage	Variable	0.1		29 97	81	82	78	82	ocur	Strat	0	1	Topsails forresail jib & stay sail & spanker
2		way	Do		0.1		30 00	81	82	78	84	ocus	"	0	"	
3	0	5	A by E	A by N.	1.3		29 95	81	82	76	84	"	"	0	"	Furls in spanker
4	1	0	A ½ N.	N by W	2.4		29 99	80	82	76	84	ocur	"	0	"	
5	1	9	A. by N	N by E.	2.5		29 97	79	76	76	83	ocrq	Cir Cum & Strat	0	"	Set m sail & Royals gaff
6	1	5	A N N ½ W	"	3.5		30 00	79	76	76	83	"	"	0	"	Topsails & spanker
7	2	4	A N	"	4.5		30 00	79	76	76	83	oc	"	0	"	Set Fore topmast staysail
8	3	5	"	"	4		30 00	78	76	76	83	"	"	0	"	set m.r mizz topmast and mizz staysails royals
9	2	4	A N N ½ W	"	3		30 03	78	77	76	83	"	"	1	"	and flying jib
10	2	0	A N N	N.	1.2		30 04	79	79	76	83	"	"	3	"	
11	1	0	A by N	N by W	1		30 00	78	78	76	83	ocq	"	2	"	
Noon.	4	0	"	"	2.4		30 00	78	78	76	83	"	"	1	"	

Distance run by Log since preceding Noon 57 knots fathoms.

Latitude by D. R. at Noon N. 7 ° 10 ' 44"

Longitude by D. R. at Noon W. 32 ° 42 ' 19"

Latitude by Observations at Noon ⊙ N. 7 ° 13 ' 50"

Longitude by Chronometer from Forenoon Observations ⊙ W. 32 ° 35 ' 17"

Dg No 687 Current during the time — knots 6 ~~fms.~~ south per hour, setting to the E N E ¾ E

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 400 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	3	0	A ½ N	N N W	3.2		30 01	80	78	76	84	oc	Cir Cum	3	1	
2	2	0	"	"	2		30 00	81	80	76	84	"	Cir Cum & Strat	2	"	
3	2	2	A by N ½ W	W	2		29 98	82	81	78	84	"	Cir Cum	3	"	
4	1	6	"	"	2		29 97	82	81	78	84	"	Cir Cum & Strat	2	"	
5	1	7	N N W	"	2		29 95	81	80	78	84	"	"	3	"	
6	2	1	N by W	N by W.	2		29 96	81	80	78	84	"	"	2	"	
7	3	7	"	N by W.	3.5		29 98	80	79	77	83	ocq	"	0	"	Furls in M & Miz topmast and Miz staysails
8	4	5	"	"	3.5		30 01	80	78	77	83	ocqr	"	0	"	
9	2	4	"	"	1.3		30 03	80	78	78	83	bcqp	"	1	"	
10	4	0	"	N by W	2.4		29 99	79	77	76	83	"	"	1	"	Furls in royals & flying jib
11	2	7	"	"	2.3		30 00	79	77	76	83	"	"	2	"	
Mid.	2	5	"	"	2.3		30 00	79	77	76	83	"	"	2	"	

N. 7 21
W. 32 48

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Sunday September 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Overcast and ugly weather Bar unsteady Sea smooth Calms variable airs and light to moderate breeze from N & W by W to N. At 2. wore ship to S^t and left spanker trailed up Full and by under topsails foresail jib & S. staysail

(Signed) L. P. T. Moore
Ensign

From 4 to 8 a.m. Overcast and disagreeable with heavy and light squalls during the first two hours. Then clear and pleasant. Light to stiff breeze from W by S. At 6. set M. sail. T.G. sails gaff topsail F. S. staysail & spanker At 6 40 clewed down Dk sails and hauled down gaff topsail to a light squall. At 7 0 set T.G. sails & gaff topsail At 7 25 set Main & Miz topmast and miz staysail royals flying jib. Bar steady 30.00 On course N. N.

(Signed) L. L. Bruno
Midshipman

From 8 a.m. to Merid. Generally cloudy and squally. Pleasant. Winds variable Light airs to moderate breeze from W by S to W by N. Bar falling Smooth sea At 9 45 mustered at quarters & had general inspection afterwards held divine service

(Signed) L. P. Jouett
Master

From Merid to 4 P.M. Cloudy and warm with light to gentle breeze from N. N. and N. Bar falling Sea smooth At 1. changed course to N. W by W. By the wind under all sail

(Signed) L. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy and pleasant. with light breeze from N to W by S. Bar steady and sea smooth Full and by first hour On course last hour.

(Signed) L. P. T. Moore
Ensign

From 6 to 8 P.M. Overcast and squally Gentle to stiff breeze from S W by S. Passing rain during last hour At 6 35 took in M. Miz topmast and miz staysail Bar. 30.00 On course N W by N.

(Signed) L. L. Bruno
Midshipman

From 8 P.M. to Mid. Cloudy and squally. with light passing showers Light airs to moderate breeze from S W to N E by N. At 8 45 took in royals and flying jib & hip on course N W by N.

(Signed) L. P. Jouett
Master

Moons phase Last qr Dec N. 5°

Examined and found to be correct

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	0	S. W. by W.	S. W. by S.	3		30 00	80	78	76	83	bc	Cum Nimb	2	S.	
2	3	8	"	"	3		30 02	80	78	76	83	"	"	2	"	
3	3	8	"	"	3		30 00	80	78	76	83	"	"	5	"	
4	2	8	"	"	2		29 98	80	78	76	83	"	Cum	8	"	
5	2	5	"	"	2		29 95	80	79	76	83	"	"	7	"	
6	2	0	"	"	2		29 96	80	79	76	83	"	"	7	"	
7	1	3	"	S. S. W.	2		29 95	80	79	76	83	"	"	8	"	
8	1	2	"	S by S.	2		30 00	80	79	76	83	"	"	8	"	
9	3	0	S. S. W.	S.	4		30 04	80	78	77	83	bc	Cum Str Nimb	0	L	
10	4	5	S. by W.	S. W. by S.	3.5		30 04	78	77	76	83	bcqr	"	0	"	
11	3	8	S. by W. 3/4 W.	S.	3		30 04	78	76	76	83	bc	"	2	"	
Noon.	4	1	S. W. by S.	S. W.	3.5		30 04	77	75	75	83	bcqr	"		"	

Distance run by Log since preceding Noon 68 knots 2 ~~fathoms.~~ tenths

Latitude by D. R. at Noon S 8 ° 1 76"

Longitude by D. R. at Noon W 33 ° 22 '27"

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ W 33 ° 19 '18"

Current during the time knots 8 ~~fms.~~ tenths per hour, setting to the W by N

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water 1 during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	3	4	S. W. by W.	S. W.	2,3	29 99	77	74	74	83	bcqr	Cir Cum Nimb	0	S	Took in Mainsail Main
2	2	7	"	S. S. W.	2,3	29 97	77	74	74	83	bcqr	"	2	"	Jigger topmast and mig
3	1	5	"	"	1	29 96	78	77	76	83	bc	"	1	"	stay sails
4	0	6	"	Calm	0	29 96	79	78	78	83	"	"	1	"	Took in foresail
5	0	0		"	0	29 97	79	78	76	83	bcd	"	1	L	
6	1	0	N W.	E by N.	0.1	30 00	79	78	76	83	"	"	1	"	Set courses
7	1	0	S. W. by W.	S E	0.1	29 96	80	78	76	83	bc	"	0	"	Hauled up and furled M sail
8	1	6	"	"	1.2	30 00	78	78	76	83	bcd	"	0	"	Set M. staysail
9	2	0	"	"	1.2	30 03	78	77	77	83	"	"	0	"	
10	5	0	"	"	1,2	30 06	79	77	76	83	"	"	0	"	Furled royals F. & sails
11	6	2	"	"	1.2	30 06	79	77	77	83	"	"	0	"	topsails & foresails
Mid.	6	2	"	"	1	30 05	79	78	77	83	bc	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ashby, U. S. Navy,

Monday September 5th, 1870.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M. Cloudy first part Clear and pleasant latter part of watch Light & gentle breeze from S.W. by S. Smooth sea with long N.E. swell On course N.W. by N. under all plain sails & royals.
(Signed) A. G. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant with light breeze from S.W. by S to W. by S. Bar rising and sea smooth At 5.30 set royals flying jib and staysails On course N.W. by N.
(Signed) C. P. T. Moore
Ensign

From 8 A.M to Merid. Overcast and disagreeable Gentle breeze from W. by N. to S.W. Occasional light squalls with rain during the watch. At 9.30 inspected at quarters. Chas Morrow (Ord Sea) Richard Pierce (Seaman) and Richard Silvey (Seaman) reported the Expiration of their term of enlistment Bar 30.04 Dulband by Last hour on course Long swell from N.W. N.W. by N.
(Signed) C. L. Brune
Mate

From Merid to 4 P.M. Generally cloudy with rain first hour of watch Gentle breeze to light airs from S.W. & S.S.W. falling calm last hour At 3.15 took in Mainsail Main & Mizzen topmast and mizzen staysail
(Signed) L. P. Jewett
Master

From 4 to 6 P.M. Cloudy with passing showers of drizzling rain Calm and light airs from E. by N. Long swell from W.N.W. Bar rising At 4.05 took in foresail at 4.20 braced round on stbd tack At 5.20 set courses By order of Comdr, W. & Haggenbotham (Cook) was released from confinement
(Signed) A. G. Lemly
Ensign

From 6 to 8 P.M. Overcast with light airs to light breeze from N.E. Bar rising Long swells from N.E. Drizzling rain last hour At 6.30 hauled up and furled Msail At 7. started fires in four boilers At 7.25 set M. topsail On course N.W. by N.
(Signed) C. P. T. Moore
Ensign

From 8 P.M to Mid. Overcast and disagreeable Clear and pleasant last hour Light airs & light breeze from N.E. At 9.15 furled royals T.G. sails. topsails and foresail Started ahead under steam with four boilers At set press 50 lbs Rev 47 On course N.W. by N. Bar 30.05
(Signed) C. L. Brune
Mate

Moon's Phase New Moon Dec. 1.

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	8	A. Wby N	W. S. W	2.3		29 97	79	78	76	83	beq	Cir Cum Strs	2	6	Under steam alone
2	6	5	"	"	2		29 95	79	78	74	83	cq	"	0	"	
3	6	0	"	W.	1.2		29 95	79	78	74	83	"	"	2	"	
4	6	0	"	A. W.	1		29 96	79	78	76	83	bc	"	3	"	
5	6	0	"	Wby N.	1		29 99	79	78	76	83	oc	"	0	"	
6	6	2	"	"	2		30 01	79	78	76	83	"	"	0	"	Set M trysail
7	6	0	"	NWby W	1.2		30 03	79	78	76	83	oc/s	"	0	"	Furls in same
8	6	0	"	A by E	2		30 03	79	78	76	83	"	"	0	"	
9	6	0	"	NE	2		30 03	78	77	76	83	bcd	"	1	"	Set M trysail
10	6	3	"	"	1		30 04	78	77	76	83	be/s	"	2	"	Set jib & spanker
11	6	0	"	Var	0.1		30 03	78	78	78	83	"	"	3	"	
Noon.	5	5	"	"	0.1		30 03	78	78	78	83	bc	"	5	"	Furls in fore & aft sails

Distance run by Log since preceding Noon — 104 knots / ~~0~~ ~~fathoms.~~

Latitude by D. R. at Noon — A. 9° 7' 8"

Longitude by D. R. at Noon — A. 34° 40' 18"

Latitude by Observations at Noon ⊙ — A 9° 38' 43"

Longitude by Chronometer from Forenoon Observations ⊙ — A 34° 17' 26"

Current during the time — knots 8 ~~fms.~~ tenths per hour, setting to the — N E by N

Lg No — Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

687 — Variation of the Compass by Azimuth ⊙ observed at 4.11 P M {A. 9.54 / A. 34.34.31} — A. 15° 40' 0"

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1500 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.															
1	6	2	A. Wby N	A E	1	30 00	80	81	78	86	bc	Str Cir Cum	4	6	
2	6	1	"	"	1	30 00	81	82	78	86	"	"	4	"	Set jib M. trysail & spanker
3	5	8	"	"	1	30 00	82	82	78	86	"	"	4	"	Set flying jib fore & main
4	5	8	"	"	1	29 98	81	81	79	86	"	"	4	"	topmast staysails gaff
5	5	9	"	A E by N	1	29 97	81	81	79	85	"	"	4	"	topsail & forecsail
6	6	5	"	"	2	29 99	79	79	78	84	"	"	3	"	
7	6	8	"	A E	1.2	30 00	80	79	78	83	"	Cir Cum Str Nimb	3	"	Furls in forecsail
8	6	4	"	A E by N	1	30 03	81	80	78	83	"	Cum Nimb	3	"	
9	6	3	"	A. E.	1.2	30 00	81	80	78	83	"	"	7	"	Furls in M. topmast staysail
10	6	6	"	E N E	2	30 03	81	79	78	83	"	Cir Cum	7	"	Set M topmast staysail
11	6	4	"	"	2	30 00	81	79	78	83	"	"	7	"	
Mid.	6	0	"	"	2	30 00	81	79	78	83	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Tuesday September 16th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 a M Cloudy Gentle breeze to light airs from N.E. to N.N.E. At 12.30 took in fore and aft sails Fires in four boilers At pres 55 lbs. Rev 39.

(Signed) L. P. Jouett
Master

From 4 to 8 a M Overcast cloudy latter half rainy Wind varying in direction between N by E. and N by E and in force from light airs to light breeze Set M trysail at 5.40 took it in again at 6.30 On course N N by E Steaming ½ power At pres 55 lbs Rev 36.

(Signed) A. G. Lemly
Ensign

From 8 a m to Mer'd Cloudy with passing showers first three hours Light breeze from N E to light variable airs At 8.05 set M trysail at 9.30 set jib and spanker At 11.35 took in fore and aft sails Steaming with four boilers Av at. pres 55 lbs. Rev. 36. On course N N by E. (Signed) C. P. T. Moore
Ensign

From Mer'd to 4 P M Fair and pleasant. Light airs from N E. At 3.40 set jib Maintrysail and spanker On course N N by E. under steam and sail Fires in four boilers Av pres 55 lbs. Bar 29.99 Rev. 38

(Signed) C. L. Bruns
Midshipman

From 4 to 6 P M. Clear and pleasant. Light airs from N E by E. At 5.10 set fore and main topmast staysails flying jib gaff topsail and foresail Fires in four boilers At 55 lbs. Rev. 38. (Signed) L. P. Jouett
Master

From 6 to 8 P.M. Cloudy but pleasant. Light airs to light breeze from N E. to N E by E. Long swell from S E. At 6.50 took in foresail On course N E by E. Steaming ½ power At pres. 55 lbs. Rev 38.

(Signed) A. G. Lemly
Ensign

From 8 P M to Mid Clear and pleasant with light airs to light breeze from N E to E N E Bar steady Long swell from S E At 8.25 hauled down and stowed M. topmast staysail and at 9.35 set it again Steaming with four boilers Av pres. 55 lbs Rev 38. On course N N by E

(Signed) C. P. T. Moore
Ensign

New Moon Phase 1st qr Dec A. 7°

Examined and found to be correct

(Signed) C. H. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	S. Wby W	ESE	1		30 00	80	79	77	83	bc	Cum Str	9	6	All fore and aft sails
2	6	0	"	"	1		30 00	80	79	77	83	"	"	9	"	
3	6	2	"	"	1		30 00	80	79	77	83	"	"	9	"	Hauled down M.S.
4	6	0	"	"	1		30 00	80	79	77	83	"	"	9	"	staysail
5	6	0	"	SE	1		29 97	79	78	78	83	"	Cir Cum Strat	6	"	
6	6	2	"	NNE	1,3		29 97	79	78	78	83	"	"	4	"	Took in M topmast
7	6	0	"	"	1		29 99	80	78	78	83	"	"	6	"	staysail
8	6	4	"	E	2		30 03	78	79	78	83	bcpc	"	4	"	
9	6	0	"	NE	2		30 04	81	80	78	83	bc	Cir Cum	7	"	Made sail to royals
10	4	5	"	"	2		30 05	81	80	78	83	"	"	7	"	Less mainsail set M sail double reefed
11	2	5	"	"	2,3		30 04	82	81	79	83	"	"	7	"	
Noon.	3	0	"	"	3		30 02	82	81	80	83	"	"	8	"	Took in M staysail set M staysail

Lat. 11. 05 N. Long. 36. 00 W.

Distance run by Log since preceding Noon: 140 knots fathoms.

Latitude by D. R. at Noon: Lat. 11 ° 7 '25" N

Longitude by D. R. at Noon: 36 ° 7 '26" W

Latitude by Observations at Noon ⊙: 11 ° 15'4" N

Sq N6 Longitude by Chronometer from Forenoon Observations ⊙: 36 ° 13'00" W

3 02 Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise: ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 21 AM Lat. 11.05 Long. 36.00: 14° 25' W

Water expended during the preceding 24 hours: 300 gallons.

Water during the preceding 24 hours: "

Water remaining on hand fit for use at Noon: 1200 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

P. M.															
1	2	8	S Wby W	NE	3		29 99	81	81	79	84	bc	Cum	6	A	Sail as in A.M. sail
2	2	7	"	"	3		29 95	82	81	79	84	"	"	6	"	
3	3	4	"	"	3		29 95	82	81	79	84	"	"	7	"	
4	3	5	"	"	3		29 95	82	81	79	84	"	"	7	"	
5	3	3	NW by W	"	3		29 95	82	81	79	84	"	"	7	"	
6	3	5	"	"	2,3		29 95	81	80	79	84	bcpc	Cum Strat	3	"	
7	4	2	"	"	3,4		29 92	81	81	78	84	bc	Cir Cum	7	"	
8	4	5	"	"	3		29 92	81	81	78	84	"	"	9	"	
9	5	0	"	NE by E	3,4		29 99	81	80	79	84	bcl	"	8	"	
10	4	5	"	"	3,4		29 99	81	80	78	83	"	"	8	"	
11	4	6	"	"	3,4		29 99	82	81	79	83	"	"	8	"	
Mid.	4	5	"	"	3,4		29 02	82	81	79	83	bc	"	8	"	

Lat. 11. 32 N. Long. 36. 32 W.

Longitude by Chronometer from Afternoon Observations ⊙: ° ' "

Longitude by Chronometer from Observations *: ° ' "

Variation of the Compass by Amplitude observed at sunset: ° ' "

Variation of the Compass by at: ° ' "

under the command of Commander H. A. Schley, U. S. Navy,

Wednesday September 17th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and pleasant. Light airs from E to NE. At 120 hauled down main topmast staysail Remarked several brilliant meteors. On course N ½ W by N. Under steam and sails. Fires in four boilers. Av st. 55 lbs Rev. 39. Bar 30.00

(Signed) C. L. Bruns
Midshipman

From 4 to 8 A M. Partially cloudy with passing showers of rain last hour. At 6 30 took in Miz topmast staysail Ship on course N ½ W by N. Fires in four boilers. Av pres. 55 lbs. Rev. 38. Signed L. P. Jouett
Master

From 8 A M to Meridn Clear and pleasant with light airs to gentle breezes from N ½ W by N long S W by W swell. At 9 40 made all sail to royals less mainsail. At 9 50 stopped steaming and uncoupled propeller. At 10 25 hauled fires in two boilers and banked in two. Started distiller. At 11. set double reefed mainsail and Miz staysail took in M. try sail. Mustered at quarters and exercised gun divisions. On course N ½ W by N. under all sail except M try sail. By order of Comdg Officer the following punishments were given J. H. Scott (Boy) for disrespect to Boatswain solitary confinement. D. D. Darragh (Sea) H. H. Sheldon (OS.) and H. O. Stabrook (OS) and J. H. Scott (Boy) to stand watch on poop four nights, offence missing muster

(Signed) S. C. Lemly
Ensign

From Meridn to 4 P M. Clear and pleasant with gentle breezes from NE. Bar steady Sea smooth. On course N ½ W by N. Fires banked in two boilers. Av pres 25 lbs. Distilling

(Signed) C. P. T. Moore
Ensign

From 4 to 6 P M. Clear and pleasant first hour then cloudy with light passing rain squalls from E at 4 changed course to N W ¾ N. At 5 mustered at quarters. On course N W ¾ N. All plain sail and stay sails. Fires in two boilers. Av pres 25 lbs. Distilling. Bar 29.95

(Signed) C. L. Bruns
Midshipman

From 6 to 8 P M. Clear and pleasant. Gentle to moderate breezes from NE. Smooth sea. Fires banked in two boilers. At pres 25 lbs. Distilling

(Signed) L. P. Jouett
Master

From 8 P M to Mid. Clear and pleasant with gentle to moderate breezes from N E by E. Long S W ¼ W swell. On course N E by N. Under all sail less M try sail. Bar 29.99 Lightning to S E & N E (Signed) S. C. Lemly
Ensign

Moons phase 1st qr Dec. D. 13°

Examined and found to be correct.

Signed C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	2	N.N.W.	E.N.E.	3		29 95	81	80	78	84	b c p	Cum Nimb	6	C	All sails Sail alone
2	4	2	"	"	3		29 95	81	80	78	84	b c	"	6	"	
3	4	2	"	"	4		29 95	81	80	78	84	"	"	6	"	
4	5	0	"	"	4		29 90	81	80	78	84	"	"	7	"	
5	5	4	"	"	4		29 95	80	80	78	84	"	"	7	"	
6	5	0	"	"	4		29 95	80	79	78	83	"	"	6	"	
7	4	8	"	"	4		29 95	80	79	78	83	b c p g	"	2	"	
8	4	9	"	E by N.	4		29 96	80	78	77	83	"	"	2	"	
9	3	8	"	"	4		29 95	80	79	79	83	b c	Cir Cum Nimb	5	"	
10	3	5	"	N E by E	3		29 97	81	80	80	83	"	"	4	"	
11	3	8	"	"	3		29 97	81	81	79	83	"	"	5	"	
Noon.	3	4	"	N E	3		29 97	82	81	80	83	"	"	6	"	

Lat. 12. 00
Lon. 37. 37

Distance run by Log since preceding Noon	98 knots 7 ~~fathoms.~~ tenths
Latitude by D. R. at Noon	At 12° 13'52"
Longitude by D. R. at Noon	At 37° 33'00"
Latitude by Observations at Noon ⊙	At 12° 9'37"
Longitude by Chronometer from Forenoon Observations ⊙	At 37° 35'33"
Sg 1/6 Current during the time knots 2 ~~fms.~~ tenths per hour, setting to the	S Sth by E 1/4 E
702 Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at 4 PM	A. 12. 20 At 14° ' "
	At. 37. 53
Water expended during the preceding 24 hours	300 gallons.
Water Condensed during the preceding 24 hours	900 "
Water remaining on hand fit for use at Noon	1800 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

P. M.															
1	3	8	N.N.W.	N E	3		29 95	83	82	80	84	b c	Cir Cum Nimb	5	A
2	4	0	N N by W	"	3		29 97	83	82	80	84	"	"	6	"
3	4	0	"	"	3		29 95	83	82	80	84	"	"	5	"
4	4	6	"	"	3.4		29 94	82	81	78	84	"	"	6	"
5	5	0	"	"	4		29 90	81	81	78	84	"	Cir Cum	7	"
6	4	6	"	"	4		29 89	81	81	78	84	"	"	7	"
7	3	3	"	"	1.2		29 93	81	80	78	84	"	"	8	C
8	2	2	"	"	1.2		29 95	81	80	78	83	"	"	8	"
9	2	8	"	"	2		29 95	81	81	78	83	"	"	7	"
10	2	5	"	"	2		29 93	81	81	78	83	"	"	6	"
11	2	0	"	"	2		29 93	81	81	78	83	"	"	7	"
Mid.	2	0	"	"	1.2		29 95	81	81	78	83	"	"	9	"

A. 12. 29
At 38. 05

Longitude by Chronometer from Afternoon Observations ⊙	° ' "
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander H. A. Schley, U. S. Navy,

Thursday September 18th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a.m. Fair and pleasant weather with gentle to moderate breeze from NE. Bar falling long swell from NE Lightning to NE from 1.30 to end of watch On course N NW¾W. Fires banked in two boilers Ac at pres 25 lbs. Distilling.

(Signed) C. P. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant first two hours then cloudy with light passing rain squalls Moderate breeze from E by N to E by N. Lightning from NW NNE & E On course N NW¾W. Fires banked in two boilers Ac pres 25 lbs Distilling Bar 29.96

(Signed) C. L. Brune
Midshipman

From 8 A.M to Merid Clear and pleasant. Gentle breeze from NE by E to NE. Bar steady At 9.30 exercised at armed and equipped boats

(Signed) L. P. Jouett
Master

From Merid to 4 P.M. Partially clear and pleasant. Gentle to moderate breeze from NE Smooth sea Bar falling At 1 changed course to N by W ½ W On course N by W ½ W. under all sail except M.top sail Fires banked in two boilers Ac pres 25 lbs. Distilling Long swell

(Signed) A. C. Lemly
Ensign

From 4 to 6 P.M. Clear and pleasant. Moderate breeze from NE. Bar falling Sea smooth Fires banked in two boilers Ac pres 25 lbs. Distilling On course N by W ½ W.

(Signed) C. P. T. Moore
Ensign

From 6 to 8 P.M. Clear and pleasant with light airs to light breeze from NE On course N by W ½ W. Fires banked in two boilers Ac at pres 25 lbs Distilling Bar. 29.95

(Signed) C. L. Brune
Midshipman

From 8 P.M to Merid Clear and pleasant Light airs from NE Ship on course N by W ½ W. Fires banked in two boilers At pres 30 lbs Distilling

(Signed) L. P. Jouett
Master

Moons phases 1st qr Dec 2. 18°

Examined and found to be correct.

(Signed) C. H. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate. 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S West.	Calm	0		29.97	82	81	78	83	bc	bir Cum	7	2	
2			S S W	"	0		29.97	82	81	78	83	"	"	7	"	
3			S.	"	0		29.97	82	81	78	83	"	"	7	"	
4			"	"	0		29.95	82	81	78	83	"	"	7	"	
5			"	"	0		29.95	81	81	78	83	"	"	6	"	
6			"	"	0		29.93	81	80	78	83	bc	bir Str & Cum	8	"	
7			"	"	0		29.90	81	80	78	83	"	"	8	"	
8			S by E	S S W	1		29.90	81	80	78	83	"	"	6	"	
9	0	0	S ½ W.	Calm	0		29.97	82	80	79	84	"	"	5	"	
10	0	2	S ½ E	S S W	0.1		29.97	82	81	79	84	"	"	5	"	
11	0	2	S S E	"	0.1		29.97	82	82	80	84	"	"	5	"	
Noon.	0	2	S S W	"	0.1		29.95	82	82	80	84	"	"	5	"	Set courses & M topmast stay sail

Lat. 12. 40 Long. 38. 24

Distance run by Log since preceding Noon	40 knots 8 ~~fathoms~~ tenths.
Latitude by D. R. at Noon	S 12° 35' 07"
Longitude by D. R. at Noon	W 38° 07' 23"
Latitude by Observations at Noon ⊙	S 12° 39' 46"
Longitude by Chronometer from Forenoon Observations ⊙	W 38° 24' 50"
Current during the time knots 7 ~~fms.~~ tenths per hour, setting to the	W N W ⅞ W
Lg No Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
702 Variation of the Compass by Azimuth ⊙ observed at 8.16 a.m. { L. 12.40 Lg. 38.24	W 14° 35' 00"
Water expended during the preceding 24 hours	300 gallons.
Water Condensed during the preceding 24 hours	800 "
Water remaining on hand fit for use at Noon	2300 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

P. M.															
1	0	5	S by W ½ W.	W d	1	29.95	83	83	80	85	bc	bir Str & Cum	6	2	
2	0	5	S. by W	"	1	29.93	83	83	80	85	"	"	7	"	
3	0	4	"	"	1	29.93	84	84	80	85	"	"	5	"	
4	0	0	Calm	"	1	29.93	84	84	80	85	"	bir Cum & Nimb	6	"	
5	Variable		S W	Calm	50	29.93	85	84	81	84	"	"	7	"	
6	Westerly		S.	W by airs	0.1	29.95	83	82	80	84	"	bir Cum	6	"	
7	0	5	S S W.	"	0.1	29.93	83	82	80	84	"	"	6	"	
8	1	7	S by W ½ W	S W by W.	1	29.93	83	82	80	84	"	"	7	"	
9	1	3	S S W	W S W	2	29.93	83	81	79	83	"	bir Cum & Nimb	5	"	
10	1	6	"	W.	1	29.94	83	81	79	83	"	"	5	"	Stowed flying jib M & Mizen topmast and Mizen staysails
11	3	0	"	"	2.4	29.94	82	80	79	83	bc gr	"	3	"	Clewed down royals
Mid.	4	2	S by W	W by N.	3.5	29.95	81	79	78	83	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙	° ' "
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander H. A. Ashby, U. S. Navy,

Friday September 19th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M Clear and pleasant. Calm As steerage way. Bar steady At 1 took in courses M and Mz topmast staysails and miz staysail Fires banked in two boilers As pres 25 lbs. Distilling

(Signed) A. C. Lemly
Ensign

From 4 to 8 A M. Clear and calm first three hours light airs from W N W at 8. Bar falling. Sea smooth As steerage way. Fires banked in two boilers as at pres 25 lbs Distilling

(Signed) C. D. T. Moore
Ensign

From 8 A M to Merid Fair and pleasant. Calms to light airs from N.E. & N. At 930 exercised divisions at quarters By order of Cond'g Officer J. H. Scott (Coy) was released from confinement and restored to duty F. Maguire (Ah Sue) reported the expiration of his term of enlistment As steerage way Fires banked in two boilers As pres 25 lbs. Distilling At 1150 set courses and M. topmast staysail Long swell from N.E. & E.

(Signed) C. L. Bruns
Mate & Shipman

From Merid to 4 P M Clear and warm Calms and light airs from N.E. Long swell from E.S.E. At 230 set miz and miz topmast staysail Fires banked in two boilers As pres 25 lbs. Distilling

(Signed) L. P. Jouett
Master

From 4 to 6 P M. Clear and pleasant. Light airs from N.E. and calms. Long N & E by E swells under all sail less main trysail At 5 mustered at quarters Fires banked in two boilers As pres 25 lbs. Distilling (Signed) A. C. Lemly
Ensign

From 6 to 8 P M. Clear and pleasant. with light airs from S.W by W. to light breezes from W.S.W. Bar 29.93 Long swells from N.E. & E.S.E. Full and by.

(Signed) C. D. T. Moore
Ensign

From 8 P M to Mid. Clear and pleasant first part. then cloudy and disagreeable. Light airs to stiff breezes from W to W by N. At 11 cleared down royals and hauled down and stowed staysails and fly. jib to a light squalls from S.E. Long swell from N.E. & E.S.E. Fires banked in two boilers As pres. 25 lbs. Distilling Bar 29.95.

(Signed) C. L. Bruns
Mate & Shipman

Moons phase 1st qr Dec S. 22°

Examined and found to be correct.

(Signed) C. H. Benton
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	4	A. A by A ½ A	A by A.	2.4		29 99	81	82	80	83	cg l ps	Cir Cum + Nimb	4	0	all sails except gaff topsail.
2	3	2	A A by A ¾ A	"	2.3		29 93	81	82	80	83	"	"	3	"	M + Mig t'gmast abt and Mig stay sails
3	2	6	A by A.	A by A	1.3		29 90	81	82	81	83	"	"	4	"	
4	2	4	A by E ¼ E	A A by A	2		29 93	81	82	81	83	cg l.		5	"	
5	1	5	A by E	"	1.2		29 94	81	79	79	84	bc	Cir Cum + Str	5	"	Set M + Mg topmast + Mig stay sail and gaff topsail
6	1	4	"	"	1.2		29 94	81	79	79	84	"	"	5	"	
7	1	0	"	"	1.2		29 95	82	80	78	84	"	Cir Cum	7	"	
8	0	0	A by E to West	Variable	0.1		29 95	82	80	78	84	"	"	7	"	
9	0	7	A A A.	A E	0.1		29 95	82	81	80	84	"	Cir Cum + Nimb	8	"	
10	1	0	A A by A	"	1		29 95	82	81	80	84	"	"	8	"	
11	1	2	"	E by A	2.3		29 95	82	81	80	84	"	"	7	"	
Noon.	2	0	"	"	2		29 95	82	81	80	84	"	"	8	"	

A. 13 - 28
L. 38 - 26

Distance run by Log since preceding Noon — 34 knots 4 ~~fathoms~~ tenths.

Latitude by D. R. at Noon — A. 13 ° 3 '28"

Longitude by D. R. at Noon — A 38 ° 43 '26"

Latitude by Observations at Noon ⊙ — A 13 ° 4 '56"

Longitude by Chronometer from Forenoon Observations ⊙ — A 38 ° 30 '21"

Sq 16 Current during the time knots fms. per hour, setting to the

707 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 880 "

Water remaining on hand fit for use at Noon 2800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	2 ½	2	A. A by N	A A ½ A.	A A	3.4	29 94	80	80	78	84	cg l r	Cir Cum + Nimb	0	2	Hauled down M. + Mig topmast + Mig staysails
2	3	0	"	E ½ E	E ½ E	2.4	29 94	80	79	78	84	"	"	0	"	
3	3	4	"	E	E	2.4	29 93	80	79	78	84	"	"	0	"	Shook one reef out of sail
4	3	3	"	"	"	2.4	29 93	80	79	78	84	"	"	0	"	
5	1	0	A A A.	"	"	0.1	29 93	80	79	78	84	cg	"	1	"	
6	As steerage way.			Calm		0	29 93	80	79	78	83	"	"	1	"	
7	0	5	A A A	"		0.1	29 95	82	80	78	84	bc	"	3	"	
8	1	0	"	"		0.1	29 98	82	80	78	84	"	"	1	"	
9	1	5	"	A E		1	29 98	82	80	78	84	"	"	1	2	
10	1	4	A A ½ A	"		1	29 97	81	80	78	84	"	"	1	"	Took in spanker +
11	1	3	"	"		1	29 97	81	80	78	84	"	"	1	"	gaff topsail
Mid.	1	5	"	A. A A.		2	30 00	80	80	78	84	cr	"	0	"	

A. 12 - 25
L. 38 - 44

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Saturday September 20th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m Cloudy and equally with passing showers of rain. Light airs to moderate breeze from N by E to N N by E. set royals and flying jib Fires banked in two boilers Av pres 25 lbs. Distilling

(Signed) L. P. Jouett
Master

From 4 to 8 a m. Clear and pleasant. with light airs to light breeze from N N by E. first three hours then light variable airs At six set main and miz topmast and miz staysails and gaff topsails At 7.25 struck abacks and braced round to N E by E airs Fires banked in two boilers Av pres 25 lbs. Distilling (Signed) L. C. Lemly
Ensign

From 8 a m to Midn Fair and pleasant weather with light airs from N. to light and gentle breeze from N E to E by N Full and by first hour On course N N by W last three hours Bar steady Sea smooth At 10.30 stopped distiller J. S. King (B M) reported the expiration of his enlistment

(Signed) C. B. T. Moore
Ensign

From Midn to 4 P M. Overcast and disagreeable Light to moderate breeze from S. E. to E by N E. At 12.35 hauled down and stowed M and Miz topmast and Miz staysails At 2.55 set the staysails At 3.4 hauled them down again At 3.45 shook one reef out of mainsail At 12.30 wind suddenly veered from E N E to S W. and a heavy rain squall passed over from that direction frequent rain squalls during the watch from the Ed. At 12.30 changed the course to N N E by E. On course Bar steady 29.93

(Signed) C. L. Brune
Midshipman

From 4 to 6 P M. Cloudy and overcast Calms and light airs from Ed. Long swell from Ed At 5 towing gear way at end of watch

(Signed) L. P. Jouett
Master

From 6 to 8 P M. Cloudy but pleasant. Light airs from Ed Long N E by E swell

(Signed) L. C. Lemly
Ensign

From 8 P M to Mid. Cloudy and pleasant first three hours rainy last hour Light airs from N E to light breeze from S. S. W. At 9.55 took in spanker and gaff topsail At 9.00 towing gear way first hour On course last three

(Signed) C. B. T. Moore
Ensign

Moons phase 1st qr Dec D. 25°

Examined and found to be correct.

(Signed) C. H. C. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	2	ANNA	S W	1		29 97	80	77	77	83	bcl	Cir Cum + Nimb	5	5	All plain sail to royals
2	1	8	"	S S W	0.1		29 97	79	76	77	83	bc	"	8	"	except spanker + gaff topsl
3	1	5	"	W S W	0.1		29 96	79	76	77	83	"	"	8	"	
4	1	0	N by W	W	0.1		29 95	79	77	77	83	"	"	8	"	
5	1	0	N by E	"	0.1		29 93	79	77	77	82	"	"	5	"	
6	Ah	Steerage way	Calm		0		29 95	79	76	77	82	"	"	4	"	
7		"	"		0		29 95	79	78	77	82	"	"	6	"	
8		"	"		0		29 96	79	78	77	82	bcp	"	6	"	
9	1	0	NNW	NE by E	0.1		29 98	79	79	78	84	bc	"	5	"	
10	2	0	"	"	1.2		30 00	81	80	78	84	"	"	6	"	Set Mr Mig topmast staysails spanker and gaff topsail
11	2	6	"	E NE	2		30 01	82	81	79	84	"	"	5	"	
Noon.	2	3	"	E	2.3		30 01	82	81	79	84	bcpq	"	4	"	

Distance run by Log since preceding Noon 38 knots 1 tenth fathoms.

Latitude by D. R. at Noon Lat 13 ° 27 '32"

Longitude by D. R. at Noon Lat 39 ° 00 '57"

Latitude by Observations at Noon ⊙ Lat 13 ° 33 '34"

Longitude by Chronometer from Forenoon Observations ⊙ Lat 39 ° 6 '57"

Sq No Current during the time knots 3 tenths fms. per hour, setting to the Lat

707 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8.29 AM {Lat. 13.29 Lat. 39.00} Lat 13 ° 35' 00"

Water expended during the preceding 24 hours 400 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	3	0	ANNA	E	6	30 00	82	80	79	83	bc	Cum Nimb	2	2	Took in royals Mr Mig topmast staysail and gaff topsl
2	3	0	N W	N N E	4.6	29 99	82	80	76	83	bcgr	"	0	"	and flying jib
3	3	0	"	E	2.3	29 95	79	77	74	83	bc	"	4	"	Set royals Mr + Mig topmast staysail
4	2	0	N W by N	N E by E	3	29 95	79	78	78	83	"	Cir Cum Nimb	4	"	Hauled down Mr + Mig topmast staysail
5	3	5	"	"	3	29 95	80	79	78	83	bcp	"	6	"	
6	4	0	"	"	3.4	29 95	79	78	78	83	bcpq	"	4	"	Set gaff topsail Mr + Mig topmast staysail
7	4	2	"	"	3.4	29 93	79	78	78	83	"	"	4	"	Hauled down + stowed
8	4	7	"	"	3.4	29 95	79	78	78	83	bcq	"	6	"	Fly jib
9	6	0	"	E N E	4	30 00	80	79	78	83	"	"	4	"	
10	5	5	"	E by N	3.4	30 02	80	79	78	83	"	"	3	"	
11	6	0	"	"	3.5	30 01	80	79	78	83	"	"	8	"	
Mid.	5	2	"	"	3.5	30 00	80	79	78	83	"	"	8	"	

Lat 13.29 Lat 39.33

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Sunday September 21st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Clear and pleasant. Calms & light airs from N'ly & W'ly. Lightning to N'd & W. & N'd & E'd. So steerage way last hour. Long swell from N'd & W'd. Bar 29.95

(Signed) C. L. Preuss
Midshipman

From 4 to 8 a.m. Clear and warm. Calms and light airs from N'd. So steerage way. Bar steady. Smooth sea

(Signed) L. P. Jouett
Master

From 8 A.M. to Mer'd. Partially clear and pleasant. Light airs & gentle breezes from S. & by E. & N.E. and E. Long S.E. swell. Squally with passing showers first and last hours. Bar rising. At 8 45 set stay sails spanker and gaff topsail. Sh.m Anderson (Sea) David Clark (Sea) Mr. P. O'Shea (Mate) J. Mc Clusky (Sea) reported the expiration of their terms of enlistment. At 9 45 mustered at quarters. Comdr inspected ship and crew at quarters. Called all hands to muster and at 10 Comdr read prayers.

(Signed) A. C. Lemly
Ensign

From Mer'd to 4 P.M. Cloudy and warm. First hour. At 12 50 light squalls from S. S.E. Took in royals & fly jib at 1 10. At 1 15 took in M'z & M'z topmast stay sails. At 1 25 changed course to S.W. At 2 05 set royals fly jib M'z and M'z topmast stay sails. Wind hauling aft and falling light. Hauled down M't & M'z topmast stay sails. At 3 00 changed course to W. by N. Bar falling and long swell from N.E. Light & gentle breeze from E. to N.E. by E. On course.

(Signed) C. P. T. Moore
Ensign

From 4 to 6 P.M. Cloudy & pleasant. Gentle to moderate breezes from N.E. by E. At 4 25 set gaff topsail M't & M'z topmast staysails. At 5 clewed down royals hauled down M't & M'z topmast staysail to a light squall from N.N.E. At 5 40 set them again. Furled fly jib. Long swell from W'd & E'd. Bar 29.95

(Signed) C. L. Preuss
Midshipman

From 6 to 8 P.M. Partially clear. Gentle to moderate breezes from N.E. by E. Smooth sea

(Signed) L. P. Jouett
Master

From 8 P.M. to Mid. Cloudy and pleasant until last hour when rainy. Gentle to stiff breezes from E.N.E. to E. Moderate sea. At 10 40 took in royals M't & M'z topmast staysail. At 11 35 set royals.

(Signed) A. C. Lemly
Ensign

Moons phase 1st qr Dec. 26°

Examined and found to be correct.

(Signed) C. K. Curtis Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	8	ASA ½ A	ESE	4		30 00	80	77	78	83	o.c.	Cum Strat	0	M	
2	5	0	"	ASE by E.	4		29 99	80	77	78	83	bc	"	4	"	
3	5	5	"	ASE	6.4		29 99	80	78	78	83	bcgl	"	4	"	Took in r mast royals
4	6	2	"	"	4.6		29 99	80	79	78	83	"	"	4	"	Took in r fidded royals
5	7	0	"	"	5.6		29 95	80	79	77	82	bcgd	"	4	"	Set royals M+ Mz topmast
6	6	3	"	"	4		29 95	80	79	77	82	bc	"	4	"	staysails
7	5	7	"	"	4		29 97	80	78	77	82	"	"	4	"	
8	5	9	"	"	4		29 97	80	79	77	82	"	"	4	"	
9	6	2	"	"	4		29 97	80	79	80	82	bcg	"	1	"	
10	6	2	"	"	4		29 97	81	80	78	82	"	Cir Cum r North	2	"	Set flying jib
11	6	2	"	"	4		29 99	81	80	78	82	"	"	1	"	
Noon.	6	2	"	"	5		29 97	81	80	78	82	"	"	3	"	

Distance run by Log since preceding Noon 124 knots 3 tenths fathoms.

Latitude by D. R. at Noon S. 14 ° 46 ' 16 "

Longitude by D. R. at Noon W 40 ° 50 ' 27 "

Latitude by Observations at Noon ⊙ S. 14 ° 42 ' 15 "

Longitude by Chronometer from Forenoon Observations ⊙ W 41 ° 00 ' 52 "

Current during the time knots 5 tenths fms. per hour, setting to the N E N

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 22 am 67. 14. 28 41 W. 13 ° 35 ' 00 "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2050 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	5 3	2 2	NNW ½ W NW	ESE	5		29 97	82	81	79	83	bc	Cir Cum r North	4	M	
2	7	0	"	"	5		29 96	81	80	79	83	"	"	3	"	
3	7	0	"	"	5		29 94	81	81	79	83	"	Cir Cum	3	"	
4	6	6	"	"	5		29 93	81	81	78	83	"	"	4	"	
5	6	6	"	"	5		29 93	81	80	77	83	"	"	4	"	
6	6	7	"	NNE by E	5		29 93	80	80	78	83	"	"	5	"	
7	7	0	"	"	5		29 95	81	80	78	83	"	"	5	"	
8	7	1	"	"	5		29 97	80	79	78	83	"	"	5	"	
9	7	0	"	"	5		29 97	80	79	78	82	"	"	4	"	
10	7	2	"	"	5		29 97	80	78	78	82	"	"	6	"	
11	7	0	"	"	5		29 97	80	80	78	81	"	"	6	"	
Mid.	7	0	"	"	5		29 97	80	80	78	81	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. L. Schley. , U. S. Navy,

Monday September 22d , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a.m. Overcast and rainy first hour. Last three part lightning to E^d last half. At 200 took in royals to a light squall from N.E. At 210 set royals at 330 took in and furled royals. Bar steady and Moderate sea On course N. W 1/2 N.

(Signed) C. P. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Moderate to fresh breeze from N.E. Fresh in squalls during first hour. At 525 set royals M^t Mig topmast Staysails and Mig staysails Bar 29.97 On course N. W 1/2 N. Moderate sea Long swell from N^d & E^d.

(Signed) C. L. Brune
Midshipman

From 8 A.M. to Merid Cloudy and warm Moderate to stiff breeze from N.E. At 915 exercised at general quarters At 9.45 set flying jib Fredk Porter (Cold) reported the expiration of his enlistment. Ship on course N. W 1/2 N.

(Signed) L. P. Jouett
Master

From Merid to 4 P.M. Cloudy but pleasant with stiff breeze from E N.E. Moderate sea At 1230 changed courses to N.W. under all sail except M^t staysail Bar falling

(Signed) A. G. Lemly
Ensign

From 4 to 8 P.M. Fair and pleasant with stiff breeze from E N.E to N.E by E. Bar steady Moderate sea On course N.W.

(Signed) C. P. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Stiff breeze from N.E by E. On course N.W. Moderate sea and long swell from N^d & E^d Bar 29.95

(Signed) C. L. Brune
Midshipman

From 8 P.M to Merid Clear and pleasant. Stiff breeze from N.E by E. Bar steady Moderate sea

Moons phase 1st qr Dec 1.25

Examined and found to be correct.

(Signed) B. H. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	8	ASE	ENE	5		29.97	80	79	78	81	bc	Cir Cum	7	M	
2	6	8	"	"	5		29.96	80	79	78	81	"	Cum	8	"	
3	7	0	"	"	5		29.96	80	79	78	81	"	"	8	"	
4	6	8	"	"	5		29.95	80	79	78	81	"	"	8	"	
5	6	3	"	"	5		29.93	80	79	77	82	"	"	8	"	
6	6	1	"	"	5		29.93	80	79	78	82	"	"	5	"	
7	6	2	"	"	5		29.95	80	79	78	82	"	Cir Cum	5	"	
8	6	2	"	"	5		29.95	80	79	78	82	"	"	6	"	
9	6	3	"	"	5		29.96	80	79	78	83	"	"	7	"	
10	6	2	"	ASE by E	5		29.96	80	80	78	83	"	"	7	"	
11	6	6	"	ENE	5		29.97	80	80	78	83	"	"	7	"	
Noon.	7	0	"	"	5		29.97	81	80	78	83	"	"	7	"	

Distance run by Log since preceding Noon 160 knots 9 tenths ~~fathoms.~~

Latitude by D. R. at Noon At 16 ° 5 ' 3 "

Longitude by D. R. at Noon At 43 ° 23 ' 22 "

Latitude by Observations at Noon ⊙ At 16 ° 11 ' 26 "

Dg No 80 Longitude by Chronometer from Forenoon Observations ⊙ At 43 ° 49 ' 12 "

7/7 Current during the time / knots —— fms. per hour, setting to the At At 34 At

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a m { At. 15. 58 / Alt. 43. 26 } At. 11 ° 30 ' 00 "

Water expended during the preceding 24 hours 250 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	7	0	ASE	ESE	5		29.95	81	78	78	83	bc	Cir Cum	7	M
2	7	4	"	"	5		29.93	81	78	78	83	"	"	7	"
3	7	8	"	"	5		29.93	81	78	78	83	"	"	8	"
4	7	6	"	"	5		29.93	81	78	78	83	"	"	8	"
5	7	5	"	"	5		29.94	81	78	78	82	"	"	7	"
6	7	0	"	"	5		29.95	81	78	78	82	"	"	7	"
7	7	0	"	"	5.6		29.95	81	78	78	83	"	"	6	"
8	7	2	"	"	5.6		29.96	81	78	78	83	bc	"	5	"
9	7	5	"	"	6		29.98	81	78	78	83	bc	"	5	"
10	7	4	"	"	6		29.98	80	77	77	83	"	"	5	"
11	7	1	"	"	6		29.97	80	77	77	83	"	"	5	"
Mid.	6	8	"	"	5		29.97	80	77	77	83	"	"	5	"

Dg No 716 Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ashley, U. S. Navy,

Tuesday September 23d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a.m. Clear and pleasant with stiff breeze from E by E. Moderate sea. Bar falling. On course N W. under all sail except m. topsail.
(Signed) A. C. Lemly
Ensign

From 4 to 8 a.m. Fair and pleasant weather with stiff breeze from E by E. Bar rising. Moderate sea. On course N W.
(Signed) C. P. T. Moore
Ensign

From 8 a.m. to Meridn. Fair and pleasant. Stiff breeze from E by E. to N E by E. At 9.15 mustered at quarters. Exercised Company A & B at small arms. By order of Comdg Officer C. J. Owen (O.S.) was placed in solitary confinement on bread and water diet fence assaulting marine while in the execution of his duty. Moderate sea. Long swell from N & E. Bar 29.97
(Signed) C. L. Brune
Midshipman

From Meridn to 4 p.m. Clear and pleasant. Stiff breeze from E by E. Moderate sea. Bar falling.
(Signed) L. P. Jouett
Master

From 4 to 6 p.m. Clear and pleasant. Stiff breeze from E by E. Moderate sea. On course N W. under all sail less m topsail. At 5 mustered at quarters.
(Signed) A. C. Lemly
Ensign

From 6 to 8 p.m. Fair and pleasant with stiff to fresh breeze from E by E. Bar rising. Moderate sea. At 7.50 light rain squalls from E by E. On course N W.
(Signed) C. P. T. Moore
Ensign

From 8 p.m. to Mid. Fair and pleasant. Stiff to fresh breeze from E by E. Moderate sea. Long swell from N & E. Bright moonlight. On course N W. Bar 29.97
(Signed) C. L. Brune
Midshipman

Moon's phase 2d qr. Dec. S. 23°

Examined and found to be correct.

(Signed) C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	8	A. H.	E by S	4		29 97	80	79	78		bc	bir Cum + Nimb	6	M	All sail except
2	6	6	"	"	4		29 95	80	79	78		"	"	5	"	M Royals
3	6	2	"	"	3.4		29 95	81	79	78		"	bir Cum	7	"	
4	6	5	"	"	4		29 95	81	79	78		"	"	8	"	
5	6	5	"	"	4		29 95	81	80	78	82	"	"	8	"	
6	6	8	"	"	4		29 96	81	80	78	82	"	"	7	"	
7	5	8	"	"	4		29 99	81	80	78	82	"	"	7	"	
8	5	4	"	"	4		29 99	81	80	78	82	"	"	7	"	
9	5	7	"	"	4		30 00	81	80	78	83	bcp	Cir Cum + Nimb	5	"	
10	6	0	"	E by S	4		30 00	81	80	79	83	bc	bir + Cum	7	"	
11	5	6	"	"	4		30 00	81	80	79	83	"	"	8	"	
Noon.	5	6	"	"	4		30 00	81	81	79	83	"	"	8	"	

Distance run by Log since preceding Noon — 159 knots 5 ~~fathoms~~ tenths.

Latitude by D. R. at Noon — S. 17° 39' 56"

Longitude by D. R. at Noon — W. 46° 7' 12"

Latitude by Observations at Noon ⊙ — S. 17° 39' 57"

Longitude by Chronometer from Forenoon Observations ⊙ — W. 46° 30' 10"

Current during the time knots 9 ~~fms.~~ tenths per hour, setting to the — N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 14 — W. 12° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1500 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.															
1	5	9	A H	E by N	4		30 00	81	82	80	83	bcm	bir Cum	8	M	
2	6	0	"	"	4		29 98	82	82	80	83	"	"	8	"	
3	5	7	"	"	4		29 98	81	80	80	83	"	"	8	"	
4	5	3	"	"	4		29 98	81	82	80	83	"	"	7	"	
5	5	4	"	"	4		29 97	81	80	80	83	bc	"	6	"	
6	5	8	"	"	4		29 97	81	80	80	83	"	"	5	"	
7	5	8	"	East	4		30 00	81	80	78	82	"	"	4	"	
8	5	6	"	"	4		30 00	81	80	78	82	bcb	"	7	"	
9	5	0	"	E SE	4		30 05	81	80	78	83	bcp	Cum Nimb	2	"	
10	4	8	"	E by N	3.5		30 05	81	80	79	83	"	"	4	"	Took in staysails
11	7	2	"	"	5		30 03	81	80	79	83	bc	Cum	6	"	Set staysails
Mid.	9	6	"	"	5		30 03	81	80	79	83	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. L. Schley, U. S. Navy,

Wednesday September 24th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Clear and pleasant. Moderate breeze from E. by N. Bar steady.

(Signed) L. P. Jouett
Master

From 4 to 8 a.m. Clear and pleasant with moderate sea and breeze from E. N. E. Bar rising On course N. by E. under all sail less M trysail

(Signed) A. C. Semly
Ensign

From 8 a.m. to Merid. Fair with passing showers first hour. Last three clear and pleasant. Bar steady Moderate sea and breeze and breeze from E. N. E. to E. by N. On course A. by E. Quarters at 9.15 Exercised 1st & 2d Div at great guns. A. F. Caswell (A. M. M.) Dennis Keeleher (Sailor) and Joseph Andrews (2 cl) reported the expiration of their enlistment

(Signed) C. R. P. Moore
Ensign

From Merid. to 4 P. M. Clear and pleasant. Moderate breeze from E. by N. Misty about horizon. Bar 29.95 On course N. by E. Moderate sea Long swell from E. N. E.

(Signed) C. L. Brune.
Midshipman

From 4 to 6 P. M. Clear and pleasant Moderate breeze from E. by N. Bar steady.

(Signed) L. P. Jouett
Master

From 6 to 8 P. M. Clear and pleasant with moderate breeze and sea from East. A. by E. under all sail except main trysail At nightfall a barque in sight on to westward Lightning to N. E.

Bar rising On the course standing (Signed) A. C. Semly
Ensign

From 8 P. M. to Mid. Cloudy with passing showers first two hours Clear last half. Moderate to light and stiff breeze from E. to S. E. by E. Bar falling Moderate sea. On course A. by E. At 9.25 took in staysails at 9.55 set them again

(Signed) C. R. P. Moore
Ensign

Moons Phase 3d qr Dec. 19d

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making Passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	5	N W	E by S	5.		29 97	81	80	78	82	bc	Cir Cum	8	M	all sail
2	7	1	"	E S E	5.6		29 97	81	80	78	82	bcqp	Cir Cum + Numb	3	"	Furled royals fly jib Mig top
3	7	3	"	S E by E	5.6		29 95	81	80	78	82	"	"	3	"	stay sails
4	7	4	"	E S E	5.6		29 95	80	79	78	82	"	"	3	"	Hauled down mig stay sails + gaff topsail
5	7	0	"	"	5		29 95	80	79	78	82	bcq	"	4	"	Set gaff topsail
6	6	6	"	"	5		29 95	80	79	78	83	"	"	4	"	
7	7	0	"	"	5		29 97	80	79	78	83	bc	"	3	"	Set royals + fly jib
8	7	2	"	"	5		29 99	81	80	79	83	bcqp	"	4	"	Mig top + Mig stay sails
9	7	0	"	E	5		30 02	81	80	78	83	bc	Cir Cum	6	"	Hauled down fly jib
10	7	0	"	"	5.6		30 02	81	80	78	83	bcqp	Cir Cum Numb	4	"	Set fly jib
11	7	0	"	E by S.	5.6		30 02	82	81	79	83	bcq	"	5	"	
Noon.	7	0	"	E S E	5.6		30 01	82	81	79	83	bc.	Cir Cum	7	"	Furl'd M. + Mig Topmast Stay sails

Distance run by Log since preceding Noon — 155 knots 2 ~~fathoms~~ tenths.

Latitude by D. R. at Noon — S 19° 5' 57"

Longitude by D. R. at Noon — W 48° 45' 40"

Latitude by Observations at Noon ⊙ — S 19° 2' 47"

Longitude by Chronometer from Forenoon Observations ⊙ — W 49° 02' 34"

Current during the time — knots 7 ~~fms~~ tenths per hour, setting to the — W by S.

Dg No 716. Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 30 A M { S. 18 47 W. 48 38 } — W 9° 35' — "

Water expended during the preceding 24 hours — 250 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 12150 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.															
1	5 3	6 2	S. W. S W by W 3/4 W	E S E	5.6	30 00	82	83	80	83	bc	Cir Cum + Numb	7	M	
2	6	6	"	"	5.6	30 00	82	83	80	83	"	Cir Cum	7	"	
3	6	6	"	"	5.6	30 00	82	84	80	83	"	"	7	"	
4	5	8	"	"	5.6	30 00	82	83	80	83	"	"	7	"	
5	5	7	"	S E by E	5	30 00	82	83	80	83	"	"	8	"	Set gaff topsail
6	6	0	"	"	5	30 00	82	82	80	83	"	"	8	"	
7	6	6	"	S. E.	5	30 03	82	82	80	83	"	"	5	"	
8	6	6	"	"	5	30 03	82	82	80	83	"	"	6	"	Set fly jib
9	7	0	"	"	6	30 05	83	82	80	83	"	"	4	"	
10	7	0	"	"	6	30 06	83	82	80	83	"	"	4	"	
11	7	0	"	"	6	30 06	83	82	80	83	"	"	3	"	
Mid.	7	4	"	"	6	30 05	83	82	80	83	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. A. Ashby, U. S. Navy,

Thursday September 25th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am Cloudy and disagreeable Stiff to fresh breeze from E by N. to N E by E Frequent light squalls with passing rain during watch At 1.30 furled royals fly. jib and mig topmast stay sails At 3.30 hauled down mig stay sail and gaff topsails At 3.50 set gaff topsails Bar 29.95 On course H. H.

(Signed) C. L. Bruns
Midshipman

From 4 to 8 a m Generally clear and pleasant with light passing showers of rain last hour. At daylight set royals flying jib Mig and Mig topmast stay sails

(Signed) L. P. Jouett
Master

From 8 a m to Merid Partially clear and generally pleasant Stiff to fresh breeze from E by E by S. and E & S E. Moderate sea At 8.15 took in fly. jib rove off new foretopsail At 8.45 set sails again At 9.15 inspected at quarters. Exercised 1st Div at single sticks By order of Comdg Officer J. H. Hackett (Ord'r Sgt) was confined in double irons for disrespect to Sergt of Guards and not obeying orders At 11.45 took in F & M topmast stay sails Noticed small quantities of drifting gulf weed Bar steady 30.02.

(Signed) A. C. Lemly
Ensign

From Merid. to 4 P M Fair and pleasant. Stiff to fresh breeze from E & S E. Lowering in puffs. Moderate sea Bar steady At 12.30 changed course to N. 1/4 W by W 3/4 W. Squared away hauled down jib flying jib Mig & mig topmast stay sails At 12.50 took in spanker and gaff topsails At 3.35 hauled up mainsail Stowed all fore and aft sails except jib On course

(Signed) C. P. L. Moore
Ensign

From 4 to 6 P M Clear and pleasant with stiff breeze from E & S E. at 5 mustered at quarters Moderate sea Long swell from E'd On course N 1/4 W by W 3/4 W. Bar 30.00

(Signed) C. L. Bruns
Midshipman

From 6 to 8 P M. Clear and pleasant Stiff breeze from E & E. Moderate sea

(Signed) L. P. Jouett
Master

From 8 P M to Mid Partially cloudy but pleasant with fresh breeze and moderate sea from E & E Bar steady 30.06 On course N 1/4 W by W 3/4 W. under square sails except mainsail

(Signed) A. C. Lemly
Ensign

Moons phase 3d qr Dec 2. 15h

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	2	N.N.W by W.½W.	E.S.E.	6		30.05	82	81	78	83	bc	Cum	7	M	Square sails and jib
2	7	8	"	"	6.7		30.05	82	81	78	83	bcq	"	6	"	except weather clew of M sail
3	8	4	"	"	7.6		30.05	82	81	78	83	"	"	7	"	
4	7	0	"	S.E.	6		30.03	82	81	78	83	"	"	8	"	
5	7	6	"	"	6		30.02	82	81	78	83	bc	Cirrocum	8	"	
6	7	4	"	"	6		30.02	82	80	78	83	"	Cirrocu sto	5	"	Set flying jib
7	7	5	"	"	6		30.02	82	80	78	83	"	"	5	"	Set spanker
8	7	2	"	"	6.7		30.03	82	80	78	83	"	"	5	"	
9	7	5	"	"	6.7		30.05	83	81	79	83	"	"	3	"	
10	7	4	"	"	6		30.05	83	82	79	83	"	"	4	"	Set weather clew of main
11	7	5	"	S.E. by S.	6		30.06	83	82	80	83	bcq	Cirrocum + Strat	5	"	sail and M topmast
Noon.	7	0	"	S.E.	5.6		30.07	83	82	80	83	bcqp	"	5	"	staysail

Distance run by Log since preceding Noon 169 knots 4 anch fathoms.

Latitude by D. R. at Noon A 19° 50' 29"

Longitude by D. R. at Noon A 54° 54' 28"

Latitude by Observations at Noon ⊙ A. 19° 59' 8"

Longitude by Chronometer from Forenoon Observations ⊙ A. 52° 0' 51"

Current during the time knots 4 anch fms. per hour, setting to the A. W ¾ A.

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 250 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1000 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	6	5	N.N.W	S.E.	5.6		30.05	84	84	81	84	bcq	Cir Cum + Strat	4	M	Took in spanker
2	6	4	"	"	5.7		30.04	83	83	81	84	bcqp	"	3	"	set M topsail
3	6	1	"	"	5.6		30.04	82	81	78	84	"	"	2	"	
4	6	0	"	"	5.6		30.04	82	81	78	84	bc	"	2	"	
5	5	8	"	S.E. by E.	4.5		30.05	82	82	78	84	"	"	1	"	hauled down M + Mz topmast stay sail jib and flying jib
6	5	8	"	"	5		30.05	82	82	80	84	oc	"	0	"	Hauled up main sail
7	5	9	"	"	5		30.05	82	81	80	84	"	"	0	"	
8	5	6	"	"	5		30.07	82	81	79	84	"	"	0	"	
9	5	4	"	"	5		30.07	82	81	79	83	bc	"	4	"	
10	5	6	"	"	5		30.07	82	81	79	83	bcq	"	2	"	
11	6	6	"	"	5		30.09	82	81	79	83	bcqp	"	1	"	
Mid.	6	2	"	"	5		30.09	82	81	79	83	bc	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Ashley, U. S. Navy,

Friday September 26th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M. Clear and pleasant with fresh to very fresh breeze from E.S.E. to S.E. blowing in puffs. Bar steady Moderate sea. At 3.45 braced up and set lee clew of mainsail and hoisted jib On course N. N.W by N. 3/4 W

(Signed) C. B. T. Moore
Ensign

From 4 to 8 A M. Fair and pleasant. Fresh to very fresh breeze from S.E. At 5.45 set flying jib At 6.40 set spanker Moderate sea Long swell from E. and S.E. On course N. N.W by W 3/4 W. Bar 30.03

(Signed) C. L. Brune
Midshipman

From 8 A M to Merid Generally clear and pleasant with light passing rain squalls Stiff to very fresh breeze from S.E and S.E by E. Bar steady At 11. set weather clew of mainsail and M. topmast staysail At 9.15 inspected at quarters and exercised at fire quarters E. T. Terry (OS) reported the expiration of his enlistment By order of Comdg Officer Ellicon Parker (Lds) was confined solitary confinement bread and water and C. J. Durkee (OS) was released. At 12. changed course to N.W. W.

(Signed) L. P. Jouett
Master

From Merid to 4 P M Generally cloudy with fresh to very fresh breeze from S.E. Moderate sea Squally with passing showers of rain At 1.20 spanker boom gooseneck Bolt carried away took in spanker 1.40 set Mz topmast staysail Scraped all leading blocks On course N. W. W. (Signed) A. C. Lemly
Ensign

From 4 to 6 P M. Cloudy and pleasant with moderate to stiff breeze from S.E by E. At. 4.40 hauled down and stowed M. topmast staysail at 5.15 hauled down Mz topmast staysail Squared away. hauled up mainsail hauled down jib and flying jib Bar steady Moderate sea Bar steady. On course N.W.W.

Signed C. B. T. Moore
Ensign

From 6 to 8 P M. Overcast and pleasant Stiff breeze from S.E by E. Moderate sea and heavy ground sea from S.E and E. Lightning from S.E last hour. On course N.W.W. Bar 30.07

Signed C. L. Brune
Master

From 8 P M to Mid Generally cloudy with light passing showers third hour Stiff breeze from S.E by E. Moderate sea

Signed L. P. Jouett
Master

Moons phase 3d qr Dec D. 10°

Examined and found to be correct.

Signed C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	N.NW	E.SE	5		30 09	82	80	78	83	bc	Cir Cum	5	M	
2	5	4	"	"	5		30 08	82	80	78	83	"	"	6	"	
3	4	8	"	"	4		30 06	82	80	78	83	"	"	6	"	
4	4	5	"	"	4		30 06	82	80	78	83	"	"	7	"	
5	4	8	"	"	4		30 06	82	80	78	83	"	"	5	"	
6	4	7	"	"	4		30 06	82	81	79	83	"	"	6	"	Took second reef in mainsail
7	4	2	"	"	4		30 05	82	81	79	83	"	"	6	"	
8	4	7	"	"	4		30 10	82	81	79	83	"	"	7	"	
9	4	6	"	"	4		30 09	82	81	80	83	bcz	Cir Cum + Str	5	"	
10	4	7	"	"	4		30 09	82	82	80	84	"	"	6	"	
11	4	8	"	E.	4		30 08	83	83	81	84	"	"	6	"	Set lee clew of m. sail
Noon.	4	7	"	"	4		30 07	83	84	81	84	"	"	6	"	

Distance run by Log since preceding Noon — 129 knots 2 ~~tenths~~ fathoms.

Latitude by D. R. at Noon — N. 20 ° 30 ' 26"

Longitude by D. R. at Noon — W 524 ° 14 ' 33"

Latitude by Observations at Noon ⊙ — N 20 ° 37 '45"

Longitude by Chronometer from Forenoon Observations ⊙ — W 524 ° 13 '40"

Current during the time — knots 3 ~~fms.~~ tenths per hour, setting to the — N½E

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Dg No 732 Variation of the Compass by Azimuth ⊙ observed at 8.16 a m (N. 20-33, W. 53-54) — W 6 ° 35 ' 0"

Water expended during the preceding 24 hours — 250 gallons.

Water Condensed during the preceding 24 hours — 50 "

Water remaining on hand fit for use at Noon — 800 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	3	0	N.NW ½ W	E by N.	5		30 07	83	83	81	84	bc	Cir Cum	7	M	Set jib + fly jib m. mz topmast and mz staysail
2	6	0	"	E	5		30 05	83	83	80	84	"	"	7	"	
3	6	0	"	"	5		30 03	83	83	80	84	"	"	8	"	
4	5	8	"	E by S.	5		30 03	83	83	80	84	"	"	9	"	Took in fore and aft sail
5	6	4	"	E by N	5		30 02	83	83	80	84	"	"	9	"	Set jib fly jib m. mz
6	7	0	"	"	5		30 03	82	82	79	83	"	"	3	"	topmast staysail and
7	7	5	"	"	5		30 03	82	82	79	83	"	"	2	"	weather clew of m. sail
8	7	6	"	"	5		30 05	82	81	79	83	"	"	2	"	
9	6	5	"	"	5.6		30 05	82	81	79	83	"	"	7	"	
10	6	5	"	"	5.6		30 06	82	81	78	83	"	"	7	"	
11	6	9	"	"	5.6		30 06	81	81	78	83	"	"	7	"	
Mid.	6	5	"	"	5.6		30 05	81	81	78	83	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander N. A. Ashley. , U. S. Navy,

Saturday September 27th , 1879..

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M Clear and pleasant with stiff to moderate breezes from S & SE. Moderate sea. On course under square sail except mainsail Bar falling. (Signed) A. C. Lemly Ensign

From 4 to 8 A M Fair and pleasant weather with moderate breezes from S & SE. Bar rising Long swell from S & SE. At 5h 5 took second reef in mainsail At 6 started fires in ~~two~~ boilers for distilling On course N W.

(Signed) C. P. T. Moore Ensign

From 8 A M to Merid Fair and pleasant Moderate breezes from S & E and E. At 10.50 set lee clew of mainsail Loosed fore and aft sail to dry. At 9 started distilling On course N W. Long swell from S Bar 30.07 Fires banked in two boilers Av pres 25 lbs. (Signed) C. L. Bruns Machinist Mate

From Merid to 4 P M. Clear and pleasant. Stiff breezes from E by N. to E by S. Moderate sea Bar steady At 1230 changed course to N. W by W ½ W. At 1235 set jib and fly jib At 110 M. + Mz topmast staysail and miz staysail At 330 took in all fore and aft sail (Signed) L. T. Jewett Master

From 4 to 6 P M. Clear and pleasant with stiff breezes from E by N. to E N E. At 420 set jib fly jib M. + Mz topmast staysail Finished repairing spanker boom Set spanker and gaff topsail Bar steady Moderate sea Fires banked in two boilers Av pres 25 lbs Distilling (Signed) A. C. Lemly Ensign

From 6 to 8 P M Cloudy and pleasant with stiff breezes from E by N. Bar steady Moderate sea Fires banked in two boilers At pres 25 lbs. Distilling On course N W by W ½ W. (Signed) C. P. T. Moore Ensign

From 8 P M to Mid Clear and pleasant. Stiff to fresh breezes from E by N. Long swell. Bright moonlight On course N W by W ½ W. Fires banked in two boilers Av pres 25 lbs Bar 30.06 (Signed) C. L. Bruns Machinist Mate

Moons phase 2d qr Dec A. M.

Examined and found to be correct (Signed) B. K. Bartlett Jr Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	ASWbyS½S	EbyN.	5		30	06	81	81	79	83	bc	Cirrum + numb	4	M	All sail except fore
2	6	5	"	ENE	5.6		30	05	81	81	79	83	bcq	"	6	"	topmast + mizn stays'ls
3	6	4	"	EbyN	5.6		30	03	81	80	78	83	bc	Cirrum	8	"	and m. toy sails
4	6	4	"	"	5.6		30	00	80	80	78	83	"	"	9	"	
5	6	2	"	"	5		30	00	81	80	78	83	"	Cumy	9	"	
6	6	4	"	ENE	5		30	01	81	80	78	83	"	Cir Cum + Str	4	"	
7	7	0	"	"	5.6		30	02	81	80	78	83	bcpq	"	5	"	Set fore t'gn + mizn stays'ls
8	7	8	"	"	6		30	03	81	80	78	83	bc	"	6	"	
9	6	8	"	"	6		30	05	81	80	78	83	"	Cir Cum	6	"	
10	6	5	"	"	6		30	05	82	82	78	84	"	"	7	"	
11	6	7	"	"	5		30	05	82	82	78	84	"	"	8	"	
Noon.	6	4	"	"	5		30	05	82	83	78	84	"	"	7	"	

Distance run by Log since preceding Noon 158 knots 8 ~~fathoms~~ tenths.

Latitude by D. R. at Noon A 21 ° 35' 45"

Longitude by D. R. at Noon W 56 ° 53' 10"

Latitude by Observations at Noon ⊙ A 21 ° 26' 13"

Longitude by Chronometer from Forenoon Observations ⊙ W 58 ° 8' 17"

Current during the time knots ~~fms.~~ tenths per hour, setting to the S. SWbyW ½ W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8.09 { x 21.26 / d. 56.42 ° ' "

Water expended during the preceding 24 hours 2500 gallons.

Water ~~Condensed~~ during the preceding 24 hours 950 "

Water remaining on hand fit for use at Noon 15500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	5	8	ASW½W	ESE	5		30	03	82	81	79	84	bcqpl	Cir Cum Numt	4	M	Hauled down mr mig top stays'l & gaff topsail
2	5	0	"	"	5		30	01	82	82	79	84	bcpl	"	6	"	
3	5	8	"	SEbyE	5.6		30	00	82	82	79	84	"	"	6	"	set gaff topsail mr mig topmast stays'l
4	6	8	"	"	5.6		30	00	82	82	79	84	"	"	6	"	
5	6	2	"	"	5		30	00	82	80	79	84	bc	Cir Cum	7	"	
6	6	0	"	"	5		29	99	82	81	79	84	"	"	9	"	
7	6	4	"	"	5		30	00	82	80	78	84	"	"	8	"	
8	7	0	"	"	5		30	01	82	81	78	84	"	"	8	"	
9	7	2	"	"	5		30	04	82	81	78	84	"	"	7	"	
10	7	0	"	"	5		30	05	82	81	78	84	bcl	"	6	"	Took in gaff topsail
11	6	7	"	ESE	5		30	05	82	81	78	84	"	"	8	"	Hauled down J. jib
Mid.	6	8	"	EbyN.	5		30	04	82	81	78	84	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Ashley, U. S. Navy,

Sunday September 28th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Squally second hour Stiff to fresh breeze from E by N. L & N E Fires banked in two boilers Ao pres 25 lbs. Distilling

(Signed) L. P. Jouett
Master

From 4 to 8 A.M. Generally clear and pleasant. Squalls with passing showers third hour of watch Wind stiff to fresh from E by N & E N E At 620 set fore topmast and miz staysail Sea moderate Bar rising. On course N. W by W 1/2 W. under all sail except M. trysail Fires banked in two boilers Ao pres 25 lbs Distilling

(Signed) A. C. Lemly
Ensign

From 8 A.M to Merid Clear and pleasant with stiff breeze from E N E. Bar steady Moderate sea On course N W by W 1/2 W. Comdg Officer inspected ship and crew at quarters at 9.40 W. H. Hosmer (Ldg) reported the expiration of his term of enlistment. By order of Comdg Officer Jas W. Hockett (oo 2d cl) was released from confinement Fires banked in two boilers Ao at pres 25 lbs Distilling

(Signed) C. B. T. Moore
Ensign

From Merid to 4 P.M. Cloudy and pleasant. Stiff to fresh breeze from E N E to E by N During first hour light squalls passed over occasional showers during watch At 1245 took in M and Miz topmast staysail and stiff topsail At 1 set them again On course N. W by W 1/2 W Bar 30.00 Fires banked in two boilers Ao pres 25 lbs. Distilling

(Signed) C. L. Bruce
Mid'shipman

From 4 to 6 P.M. Clear and pleasant Stiff breeze from N E by E. Fires banked in two boilers Ao pres 25 lbs Distilling

(Signed) L. P. Jouett
Master

From 6 to 8 P.M. Clear and pleasant with stiff breeze from N E by E. Moderate sea Bar steady On course N W by W 1/2 W. under all sail less M trysail Fires banked in two boilers pres 25 lbs Distilling

(Signed) A. C. Lemly
Ensign

From 8 P.M to Mid
Clear and pleasant with stiff breeze from N E by E to E by N. Bar steady Moderate sea Lightening to E for last three hours. At 9.35 took in gaff topsail At 10.10 hauled down and stowed flying jib On course N W by W 1/2 W. Fires banked in two boilers Ao pres 25 lbs. Distilling

(Signed) C. L. Bruce
Mid'shipman

Moons phase 2d qr. Dec N 1°

Examined and found to be correct

(Signed) C. W. Carter
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	2	N. Wby W ½ W	E by N & E	5,6		30 01	82	81	79	83	bcg	Cir Cum + Nimb	6	M	All sails except flying jib
2	7	3	"	"	5,6		29 99	82	81	78	83	bc p g	"	6	"	and gaff topsail
3	6	8	"	E by N.	5,6		29 95	82	81	78	83	bc	"	6	"	Hauled down fore & stay sails
4	6	4	"	"	5,6		29 95	81	80	78	83	"	"	6	"	Hauled down royals
5	6	5	"	E	5		29 97	81	80	78	84	"	"	5	"	Set royals
6	6	2	"	"	5		29 97	82	80	78	84	"	"	5	"	Hauled down M & stay
7	6	4	"	E & N E	5		30 00	82	80	78	84	"	"	7	"	Set M. top stay sail
8	7	0	"	"	5		30 00	82	80	79	84	"	Cir Cum	8	"	Fly jib and gaff topsail
9	6	4	"	E by N	5		30 03	82	81	79	84	"	"	6	"	
10	6	4	"	"	5		30 06	83	82	80	86	"	"	5	"	
11	6	6	"	"	5		30 06	83	82	80	84	"	"	6	"	
Noon.	6	0	"	"	5		30 06	83	83	80	84	"	"	5	"	

Distance run by Log since preceding Noon — 155 knots 9 tenths ~~fathoms.~~

Latitude by D. R. at Noon — S. 22° 55' 37"

Longitude by D. R. at Noon — W. 59° 42' 47"

Latitude by Observations at Noon ⊙ — S. 22° 27' 40"

Longitude by Chronometer from Forenoon Observations ⊙ — W. 59° 53' 40"

Current during the time — knots 4 ~~fms.~~ tenths per hour, setting to the — E by S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8h 08m AM — Z. 57. 22. 18 / W. 59. 28 — W 45° 45' "

Water expended during the preceding 24 hours — 250 gallons.

Water Condensed during the preceding 24 hours — 800 "

Water remaining on hand fit for use at Noon — 2052 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.															
1	5	0	N. Wby W ½ W & N W ¾ W	E	5	30 06	83	82	79	84	bc	Cir Cum + Nimb	4	M	Hauled down M & Mig topmast stay sail
2	6	4	"	"	5	30 04	82	83	80	84	"	Cir Cum	6	"	
3	5	5	"	E by N.	4	30 04	82	82	80	84	"		6	"	Set M & Mig top stay sails
4	5	5	"	E	4	30 04	82	83	80	84	"	Cir Cum + Nimb	4	"	
5	5	4	"	E by N.	4	30 03	82	82	80	84	"	"	6	"	
6	5	8	"	"	4	30 03	82	82	80	84	"	"	4	"	
7	5	4	"	E	4	30 00	82	81	79	84	"	"	5	"	
8	5		"	"	4	30 00	82	81	79	84	"	"	4	"	
9	5	4	"	"	4	30 06	83	82	80	84	"	Cir Cum	6	L	
10	5	8	"	E by N.	4	30 08	83	81	79	84	"	"	7	"	Took in M & Mig topmast and mig stay sails
11	6	0	"	"	4	30 10	83	81	79	84	"	"	7	"	
Mid.	5	5	"	"	4	30 10	83	81	79	84	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. L. Ashley, U. S. Navy,

Monday September 29th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Fair and pleasant Stiff to fresh breeze from E NE to E by N. Frequent passing showers At 12.30 hauled down fore topmast staysail At 130 clewed down royals to a light squall from E At 2.30 hauled down M. topmast staysail On course NW by W ½ W Bar falling 2995 Fires banked in two boilers pres 25 lbs Distilling

(Signed) C. L. Bruns
Midshipman

From 4 to 8 AM. Clear and pleasant. Stiff breeze from E & E NE. Moderate sea Set M topmast staysail flying jib and gaff topsail Fires banked in two boilers At pres 35 lbs. Distilling

(Signed) L. P. Jouett
Master

From 8 AM to Mid. Generally clear and pleasant. Stiff breeze from E by N. Moderate sea Bar rising At 9.15 went to general quarters and exercised crew. By order of Comdr. Boatswain F A Dean was suspended from duty for harassing and badgering men. and by same order Ellsin Parker L Ds was released from confinement John Reilly (sea) reported the expiration of his enlistment On course N. W by W ½ W. under all sail except M. trysail and fore topmast staysail Fires banked in two boilers Distilling

(Signed) A. C. Lemly
Ensign

From Mid to 4 PM Fair and pleasant. Stiff to moderate breeze from E by N to E by S. Bar steady Moderate sea At 12.30 changed course to NW ¾ W. At 320 hauled down M. Miz topmast staysails On course N. W ¾ W. Fires banked in two boilers pres 25 lbs. Distilling

(Signed) C. F. Moore
Ensign

From 4 to 6 PM. Cloudy and pleasant. Moderate breeze from E by S. At 5 mustered at quarters At 5.25 set M. Miz topmast staysails On course NW ¾ W. Fires banked in two boilers As pres 25 lbs. Distilling

(Signed) C. L. Bruns
Midshipman

From 6 to 8 PM. Clear and pleasant Moderate breeze from E. E by S. Moderate sea Fires banked in two boilers Distilling

(Signed) L. P. Jouett
Master

From 8 PM to Mid. Clear and pleasant. Moderate breeze from E and E by S. Long swells At 9.30 took in staysails On course N W ¾ W. Fires banked in two boilers As pres 35 lbs. Distilling

(Signed) A. C. Lemly
Ensign

Moons phase Full moon Dec. At 6°

Examined and found to be correct.

(Signed) C. K. Curtis
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	5	S.W¾W	E½E	4		30 10	83	81	81	84	bc	Cirrum	8	L	Clear sail except
2	4	5	"	"	4		30 10	83	81	80	84	"	"	6	"	fore topmast stay sail
3	4	3	"	"	4		30 06	83	81	80	84	"	"	6	"	
4	4	2	"	"	4		30 05	83	81	80	84	"	"	9	"	
5	4	2	"	E by S.	3		30 05	82	81	79	84	"	"	9	"	
6	4	4	"	E	3		30 06	82	81	79	84	"	"	9	"	Set M+ Mzj topmast
7	4	5	"	E by S.	3		30 06	82	81	79	84	"	"	8	"	and Mzj stay sail
8	4	8	"	E S E	4		30 08	82	81	79	84	"	"	8	"	
9	5	4	"	E by S	4		30 10	82	81	79	84	"	"	8	"	Set fore topmast
10	5	6	"	"	4		30 10	82	81	78	84	"	"	9	"	stay sail
11	5	5	"	"	4		30 10	83	82	78	84	"	"	9	"	
Noon.	5	6	"	"	4		30 09	83	82	78	84	"	"	6	"	

Distance run by Log since preceding Noon 124 knots 7 ~~fathoms.~~ tenths.

Latitude by D. R. at Noon A. 23° 31' 10"

Longitude by D. R. at Noon A 61° 49' 28"

Latitude by Observations at Noon ⊙ A 23° 26' 44"

Longitude by Chronometer from Forenoon Observations ⊙ A. 61° 55' 54"

Ag No Current during the time knots 3 ~~fms.~~ tenths per hour, setting to the S W ¾ W

730 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8.11 a m { A 23.16 / A 61.36 } A 4 ° 45 ' 0 "

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	3 2	0 6	S.W¾W S.W½W	E½N	4		30 08	83	83	80	84	bc	Cirrum	3	L	Hauled down jib
2	4	6	"	"	3		30 07	83	83	80	84	"	"	2	"	Set jib
3	4	2	"	"	3		30 06	83	83	80	84	"	"	4	"	
4	4	2	"	"	3,4		30 06	83	83	80	84	"	"	4	"	
5	4	8	"	E½E	4		30 06	83	82	80	84	"	"	7	"	
6	5	0	"	"	4		30 06	83	82	79	84	"	"	7	"	
7	5	3	"	"	4		30 07	83	82	79	84	"	"	8	"	
8	5	6	"	"	4		30 07	83	82	79	84	"	"	8	"	
9	5	9	S.W¼W	"	4		30 08	83	82	80	84	"	"	7	"	
10	5	6	"	"	4		30 06	83	82	80	84	"	"	5	"	
11	5	5	"	"	4		30 06	83	82	84	84	"	"	4	"	
Mid.	5	6	"	"	4		30 08	83	82	84	84	"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander N. L. Ashley, U. S. Navy,

Tuesday September 30th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Clear and pleasant. with moderate breeze from E. S.E. Bar falling Long. swell from E^d On course N. W 3/4 W. Fires banked in two boilers Distilling

(Signed) C. P. T. Moore
Ensign

From 4 to 8 A M. Clear and pleasant. Gentle to moderate breeze from E by S. to E by S.E. At 6.45 set main and miz topmast staysails and miz staysail Long swell from N^d & E^d On course N. W 3/4 W. Fires banked in two boilers Av pres 20 lbs Distilling Bar rising 30.08

(Signed) C. L. Bruns
Midshipman

From 8 A M to Mrid Clear and pleasant. Moderate breeze from E by S.E. Long swell from E^d Bar steady Fires banked in two boilers Distilling At 9.15 inspected at quarters and drilled the battalion at small arms At 8.20 set fore topmast staysail

(Signed) L. P. Jouett
Master

From Mrid to 4 P M. Cloudy but pleasant. Gentle to moderate breeze from E by N. Long swell Bar falling At 1230 changed course to N. W 1/2 W. At 1 hauled down jib for repairs at 120 set it again Fires banked in two boilers Av pres 20 lbs. Distilling Small bits of gulf weed drifting by the ship

a Record of survey Members C Vincent master. C P T Moore Ensign and C. B. T Moore ensign survey'd in Nav. Dept. Two (2) sig Lanterns Five (5) hand Lanterns One (1) dark light Lantern Two (2) standing Lanterns for bitterns decks and Two (2) american Ensigns all of which were condemned as unfit for service and ordered to be turned into store.

(Signed) A. C. Emly
Ensign

From 4 to 6 P M Clear and pleasant. with moderate breeze from E by N to E N E. Bar steady Long swell from E^d Fires banked in two boilers At 5 pres 20 lbs. Distilling (Signed) C. P. T. Moore
Ensign

From 6 to 8 P M Clear and pleasant. Moderate breeze from E N E. Long swell from N E^b & E^d Bar steady 30.06 Fires banked in two boilers Av pres. 20 lbs. Distilling On course N. W 1/2 W. Signed L. L. Bruns
Midshipman

From 8 P M to Mid Clear and pleasant. Moderate breeze from E N E. Bar steady At 8 changed course to N W 1/4 W. Fires banked in two boilers Distilling

(Signed) L. P. Jouett
Master.

Moons phase 2^d qr Dec N. 11°

Examined and found to be correct.

Signed C. H. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	5	N.W by W	E.	3		30 08	83	82	80	84	bc	Cir Cum	6	S	
2	5	0	"	"	3-4		30 09	83	82	80	84	"	"	6	"	
3	4	6	"	"	3-4		30 06	83	82	80	84	"	"	7	"	
4	3	7	"	"	3		30 05	82	81	79	84	"	"	7	"	
5	3	3	"	E by E	3		30 05	82	81	79	84	"	"	6	S	
6	3	4	"	"	3		30 08	82	81	79	84	"	"	7	"	
7	3	4	"	"	3		30 07	82	81	80	84	"	"	7	"	shoots one reef out of Mizen
8	3	7	"	"	3		30 05	82	81	79	84	"	"	8	"	
9	3	7	"	"	3		30 09	82	82	79	84	"	"	9	S	
10	3	9	"	"	2		30 10	82	82	80	84	"	"	8	"	
11	3	9	"	"	2		30 10	83	83	80	84	"	"	8	"	
Noon.	3	1	"	"	2		30 10	84	84	81	85	"	"	8	"	

Distance run by Log since preceding Noon 106 knots 9 ~~fathoms~~ tenths

Latitude by D. R. at Noon N. 24° 28' 32"

Longitude by D. R. at Noon W. 63° 31' 00"

Latitude by Observations at Noon ⊙ N. 24° 26' 18"

Longitude by Chronometer from Forenoon Observations ⊙ W. 63° 38' 21"

Current during the time knots 3 ~~fms.~~ tenths per hour, setting to the N E N 3/8 N.

Ag 7 80 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

7 30 Variation of the Compass by Azimuth ⊙ observed at 8 17 a m 57 24. 19. 63 27 N. 24° 20' 0"

Water expended during the preceding 24 hours 200 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2550 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	0 1	8 0	N. W. by N.	S. & E.	1-2	30 10	84	84	82	85	bc	Cir Cum	6	S	Took in all sail except topsails jib & spanker
2	2	0	"	"	1-2	30 11	84	84	82	85	"	Cir Cum Nimb	4	4	
3	1	0	"	"	1	30 10	83	82	81	85	bc ps	"	6	"	Set royals flying jib & T. G. sails
4		5	"	"	0-1	30 10	83	82	81	85	bc	"	4	"	Set M. & Mz topmast stay sails
5	1	5	"	"	2	30 07	83	83	80	85	"	Cir Cums	3	"	Set fore top and mizen stay sail
6	3	0	"	"	3	30 07	83	82	80	85	"	"	2	"	
7	3	4	"	"	3	30 08	83	82	80	85	"	Cir Cums	3	"	
8	3	6	"	"	3	30 08	83	82	79	85	"	"	2	"	
9	3	7	"	"	3	30 08	83	82	79	84	"	"	2	"	
10	3	7	"	"	3	30 08	82	82	79	84	"	"	2	"	
11	3	5	"	"	3	30 08	82	82	79	84	"	"	3	"	
Mid.	3	5	"	"	3	30 09	82	82	79	84	"	"	4	"	

N. 24. 38 W. 63. 07

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Ashley, U. S. Navy,

Wednesday October 1st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Clear and pleasant. with gentle to moderate breeze from E. Long swell Bar falling At 12 stopped distilling at 1.30 hauled fires in two boilers On course N by E. under all sail less M trysail Bright moonlight

(Signed) D. C. Lemly
Ensign

From 4 to 8 A M Clear and pleasant with gentle breeze from E by E. Bar steady Sea smooth At 5.45 shook one reef out of mainsail On course N. N W 1/4 N.

(Signed) C. B. T. Moore
Ensign

From 8 A M to Merid Clear and pleasant. Gentle to light breeze from E by E. At 9.15 inspected at quarters Exercised at great guns Stav. Div. at torpedoes Long swell from N by E On course N. N W 1/2 W. Bar steady 30.8

(Signed) C. L. Byrne
Medical Inspector

From Merid to 4 P M Generally clear and warm with passing showers third hour Calm and light airs from E by E. At 12. changed course to N. N W. and at 12.35 to N. N W 1/4 N. At 2 took in the staysails At 3. the royals. flying jib top gallant sails and gaff topsail At 3.45 set T. G sails royals. flying jib and at 3.55 the courses and gaff topsail

(Signed) C. P. Jouett
Master

From 4 to 6 P M. Cloudy but pleasant. with light to gentle breeze from E. N. E. Long swell At 5.15 set M. + Miz topmast staysails and at 5.40 fore topmast and miz staysail Bar steady. On the course N. N W 1/2 W. under all sail except M. trysail

(Signed) D. C. Lemly
Ensign

From 6 to 8 P M. Fair and pleasant. with gentle breeze from E by E. Bar steady Long swell from E On course N. N W 1/2 N.

(Signed) C. B. T. Moore
Ensign

From 8 P M to Mid Cloudy and pleasant. Gentle breeze from E by E. Obscured moonlight Long swell from N and E. Bar 30.0 On course N. N W 1/2 W.

(Signed) C. L. Byrne
Medical Inspector

Moons phase 3d qr Dec N. 15°

Examined and found to be correct.

(Signed) C. H. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Dissey, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	4	N. W½ N.	E N E	2.3		30 09	82	87	79	84	bc	Cir Cum	8	2	all sail except fore
2	2	7	"	"	2		30 07	82	87	79	84	"	"	8	"	topmast stay sail
3	2	5	"	"	1.2		30 07	82	87	79	84	"	"	7	"	
4	2	0	"	"	1.2		30 05	82	87	79	84	"	"	6	"	
5	1	5	"	E S E	1		30 06	83	80	80	83	"	"	8	"	
6	1	0	"	"	1		30 05	82	89	79	83	bc cpl	Cum Nimb	5	"	Took in royals fly jib and M sail set sail & M & Miz Topmast stay sails
7	2	5	"	N E by N	1.2		30 11	81	79	78	83	bc	"	4	"	
8	1	4	"	N E by E	1.5		30 11	81	80	78	83	"	Cir Cum	5	"	
9	2	6	"	N E	2		30 11	81	80	78	85	"	"	8	"	
10	2	0	"	"	2		30 11	82	82	79	85	"	"	8	"	
11	1	3	"	"	2		30 13	82	82	80	85	"	"	8	"	
Noon.	1	1	"	"	2		30 13	82	83	80	85	"	"	8	"	

Distance run by Log since preceding Noon 55 knots 2 tenths fathoms.

Latitude by D. R. at Noon A. 25° 5·6"

Longitude by D. R. at Noon W. 64° 23' 52"

Latitude by Observations at Noon ⊙ S 25° 8' 47"

Longitude by Chronometer from Forenoon Observations ⊙ W 64° 29' 10"

Current during the time knots 2 ~~fms.~~ tenths per hour, setting to the N. E. by N

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 19 A M { A. 25.04 W. 64 24 ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2250 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	2	0	N W½ N	N E by N	2	30 10	83	83	80	86	bc	Cir Cum + Str	8	2	Set fore topmast and miz staysails
2	2	5	"	"	2	30 07	83	83	80	86	"	"	8	"	
3	3	5	"	"	3	30 07	83	83	80	86	"	"	8	"	
4	4	4	"	"	3	30 06	82	83	80	86	"	"	8	"	
5	4	4	"	"	3	30 06	82	81	80	85	"	"	9	4	
6	3	6	"	"	3	30 06	82	81	80	85	"	"	9	"	
7	4	0	"	N E	3	30 07	82	80	78	84	"	"	8	"	
8	5	0	"	"	3	30 05	82	81	78	84	"	"	8	"	
9	4	2	"	"	3	30 07	82	81	78	84	"	"	7	"	
10	3	2	"	E N E	3	30 05	82	82	79	84	"	Cir Cum + Nimb	6	"	Took in royals fly jib M & Miz topmast staysails
11	4	0	"	E N E to N E by N	3.5	30 10	80	82	79	84	occ pl	"	0	"	
Mid.	2	8	"	N E by N to E by N	5.1	30 09	80	78	79	84	"	"	0	"	Set royals & fly jib

A. 25.29 W. 64 0.2

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Thursday October 2d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a M Clear and pleasant. Gentle decreasing to light airs from E by S & E at 3 P M hauled down the staysails

(Signed) L. P. Jouett
Master

From 4 to 8 A M. Partially clear and pleasant with light airs to light breezes from E by S and E. Long swell at 6 took in flying jib royals and mainsail to a light squall and braced up by port braces passing showers of rain. At 6 P M set fly jib royals Main & Miz topmast staysails On course N. by W 1/2 W.

(Signed) A. G. Lemly
Ensign

From 8 A M to Merid Clear and warm with light breezes from N.E. Quarter at 9.15 Exercised armed boats crews. Bar rising Sea smooth On course N. by W 1/2 W

(Signed) C. P. P. Moore
Ensign

From Merid to 4 P M Clear and pleasant. Light to gentle breezes from N E by N at 12 P M set jib topmast staysail and miz staysail Long swell from N by E On course N by W 1/2 N. Bar falling 30.0

(Signed) C. L. Brune
Midshipman

From 4 to 6 P M Clear and pleasant. Gentle breezes from N E by N. Bar steady Smooth sea

(Signed) L. P. Jouett
Master

From 6 to 8 P M Clear and pleasant with gentle breezes from N.E. Smooth sea Bar rising On course N. by W 1/2 W. under all sail except M. Topsail

(Signed) A. G. Lemly
Ensign

From 8 P M to Mid. Clear and pleasant. first two hours with gentle breezes from N E to E N. E. Cloudy last two with gentle to stiff breezes E N E to N E by N At 10.10 took in royals fly jib M+ Miz topmast staysails to a light squall from N E by N. On course N. by W 1/2 N. Wind dying out at 12. Bar rising Long swell from E.

Signed C. P. P. Moore,
Ensign

Moons phase 3d qr Decl N. 19°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	0	0	N by E	Calm	0		30 07	80	80	78	83	Fog	Cirrus Nimbus	5	S	all head sails and square sails & royals. mizn topmast stay sail gaff topsail & spanker
2	1	5	N NW ½ N	S E.	1,2		30 04	80	79	78	83	Fc	"	5	"	
3	1	5	"	N E.	0,1		30 04	81	80	78	83	"	"	5	"	Blowed down royals hauled down jibs & mizn top. stay sail
4	1	6	"	"	1		30 04	81	80	78	83	"	"	5	"	
5	1	8	"	"	1,2		30 04	81	80	78	83	"	"	6	S	
6	2	0	"	"	1,2		30 06	81	80	78	83	"	"	7	"	Took in M sail & spanker and gaff topsails put mizn also
7	2	0	"	"	1		30 07	81	80	78	84	"	"	6	"	
8	2	5	"	"	2		30 08	81	80	78	84	"	"	6	"	Set M sail spanker gaff topsail M & Mizn topmast stay sail and jib jib
9	4	2	"	"	3		30 10	82	80	78	84	"	Cir Cum	5	"	Set mizn stay sail
10	3	8	"	"	2		30 10	82	80	78	84	"	"	7	"	
11	4	6	"	"	3		30 10	82	81	78	84	"	"	7	"	
Noon.	3	5	"	"	3		30 09	82	81	78	84	"	"	8	"	

Lat. 25.55 Long. 65.20

Distance run by Log since preceding Noon	71 knots	6 ~~fathoms.~~ Geo's
Latitude by D. R. at Noon		S. 25° 59' 17"
Longitude by D. R. at Noon		W 65° 25' 4"
Latitude by Observations at Noon ⊙		S. 25° 55' 58"
Longitude by Chronometer from Forenoon Observations ⊙		W. 65° 36' 53"
Current during the time knots fms. per hour, setting to the		SW SW ½ W
Sq Moon Variation of the Compass by Amplitude ⊙ observed at Sunrise		° ' "
746 Variation of the Compass by Azimuth ⊙ observed at 8.17 am	Lat 25.55 Long 65.25	W 4 ° 25 ' 0 "
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		1955 "
Coal consumed during the preceding 24 hours		tons lbs.
Coal remaining on hand at Noon		" "

P. M.															
1	3	2	S W by W ½ W	S E by E ½ E	2,3	30 08	81	81	78	85	Fc	Cir Cum	6	S	Hauled up & furled M sail
2	2	0	S W ½ W	"	2	30 08	81	82	77	85	"	"	7	"	Took in mizn stay sail & set M try sail
3	1	7	"	"	2	30 08	81	81	77	85	"	"	8	"	
4	3	8	"	"	2	30 08	81	81	77	85	"	"	8	"	Took in & furled royals fly jib & D B sails
5	6	7	S W by W	"	2	30 05	81	81	77	84	"	"	8	"	Furled t'gall sails & forecourse set flying jib
6	6	6	"	"	3	30 05	81	81	77	84	"	"	8	"	
7	6	6	"	N E.	2	30 05	81	81	78	84	"	"	8	"	
8	6	4	"	"	1	30 05	81	81	78	84	"	"	9	"	
9	6	0	"	S E by E	1	30 07	82	80	76	84	"	"	9	S	Took in fly jib fore main & mizn topmast stay sail
10	5	8	"	"	1	30 07	81	80	76	84	"	"	9	"	gaff topsail & spanker
11	5	5	"	Calm	0	30 06	81	80	76	84	"	"	8	"	Furled M try sail
Mid.	5	5	"	N E by E	1	30 06	81	80	76	84	"	"	7	"	

Lat. 26.22 Long. 66.02

Longitude by Chronometer from Afternoon Observations ⊙		° ' "
Longitude by Chronometer from Observations *		° ' "
Variation of the Compass by Amplitude observed at sunset		° ' "
Variation of the Compass by at		° ' "

under the command of Commander H. L. Schley, U. S. Navy,

Friday October 3d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 a.m. Fair and pleasant. Calms and light baffling breezes from N.E. & N.E. At 12 45 closed down royals hauled down fly jib took in mainsail spanker and gaff topsail at 1 set royals at 3 20 set mainsail spanker gaff topsail M. & Miz topmast staysails and fly jib Bar falling 30.04 On course N.W. ½ W. (Signed) L. Bruno
Midshipman

From 4 to 8 A.M. Clear and pleasant. Light airs to light breeze from N.E. Smooth sea At 5 set miz staysail
(Signed) L. P. Jouett
Master

From 8 A.M. to Noon Clear and pleasant. Gentle breeze from N.E. Smooth sea Bar 30.10 At 9 sounded to five quarters and exercised crew. Inspected at quarters. On course N.W. ½ W. under all sail less M. try sail J. H. Scott Boatswain J. H. Hackett (Armorer) reported the expiration of their enlistment
Signed A. C. Lemly
Ensign

From Noon to 4 P.M. Clear and pleasant with light breeze from N. by E. Bar steady Sea smooth At 1 30 changed course to N. by E. at 1 55 hauled up and furled mainsail hoisted smoke stack at 1 45 hauled down miz staysail and set M. trysail At 2 started fires in four boilers at 3 55 took in M. sail royals and fly. jib
(Signed) C. P. V. Moore
Ensign

From 4 to 6 P.M. Clear and pleasant. Light & gentle breeze from N.E. by E. At 4 05 furled foresail at 4 25 furled topsails at 4 30 started ahead with steam in four boilers at 4 55 set fly. jib At 5 30 made a sail 2 points on starb bow Bar 30.05 On course N. by E. under steam and fore and aft sail As pres 55 lbs Rev 44.
(Signed) C. L. Bruno
Midshipman

From 6 to 8 P.M. Clear and pleasant. Light airs from N.E. under fore and aft sail and steam As pres 55 lbs Rev. 44 Fires in four boilers
(Signed) L. P. Jouett
Master

From 8 P.M. to Mid. Clear and pleasant with light airs from N. & E. by N. and calms. Smooth sea At 8 15 took in fore and aft sail except M. trysail and at 10 20 the M. trysail At 11 30 set M. trysail On course N. & W. by N. steaming ½ power. Steam 55 lbs Revs 34.
(Signed) A. C. Lemly
Ensign

Moons phase 3d qr Dec N. 22°

Examined and found to be correct.
(Signed) C. H. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making Passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	8	N. by W. ½ W.	N by E.	4		30 06	81	80	76	85	bc	Cum	8	S	Steam + M. topsails
2	5	5	"	North	4		30 06	80	80	76	85	"	"	9	"	Set fore and aft sails
3	4	8	"	"	2		30 06	80	80	76	85	"	"	9	"	Hoist in fore and aft sails except M topsail
4	5	0	"	N by E	3		30 04	80	80	76	85	"	"	9	"	Set jib flying jib fore topmast staysail and spanker
5	5	6	"	N & by W ½ W	3		30 04	80	80	76	85	bc Cirrus	"	9	"	
6	5	7	"	"	3		30 04	80	81	75	84	"	"	9	"	Set gaff topsail M + Miz topmast staysail + Spanker
7	5	6	"	"	3		30 04	80	81	75	84	"	"	9	"	
8	5	2	"	"	2		30 05	80	80	74	84	"	"	9	"	
9	5	4	"	"	2		30 06	80	79	74	84	bc	Cirrus	9	"	
10	6	0	"	"	1,2		30 07	80	79	75	84	"	"	9	"	
11	6	0	"	"	1,2		30 07	80	80	76	84	bc	Stratus	10	"	
Noon.	5	4	"	"	1,2		30 08	80	80	76	84	"	"	10	"	

Distance run by Log since preceding Noon 125 knots 8 ~~tenths~~ fathoms.

Latitude by D. R. at Noon A. 27° 32' 22"

Longitude by D. R. at Noon Ar. 67° 7' 35"

Latitude by Observations at Noon ⊙ A 27° 26' 56"

Longitude by Chronometer from Forenoon Observations ⊙ Ar. 67° 13' 52"

Current during the time knots 3 ~~fms~~ tenths per hour, setting to the S. W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 6,22 AM Ar. 27° 59' 08 Ar. 66° 58' Ar 44° 45' 0"

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1650 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.														
1	2/3	6/2	N. by W. ½ W. / N. W. ½ W.	N E	1	30 07	82	81	78	85	bc	Cir Cum	9	S	Set M topmast staysail
2	6	0	"	"	2	30 05	82	80	78	85	"	"	9	"	
3	5	5	"	"	2	30 03	82	80	78	85	"	"	9	"	
4	5	5	"	"	2	30 03	83	81	78	85	"	"	9	"	
5	5	5	"	"	2	30 04	81	81	77	85	"	"	8	"	
6	5	3	"	"	2	30 04	81	81	77	85	"	"	3	"	
7	5	1	"	"	2	30 03	81	81	77	84	bc	Cir Cum + Flight	5	"	
8	5	4	"	"	3	30 03	81	81	77	84	bc	Cir Cum	0	"	Hoist in M topmast staysail
9	5	4	"	"	1,2	30 03	81	80	77	84	"	"	5	"	
10	5	4	"	"	1,2	30 03	81	80	77	84	"	"	7	"	
11	5	7	"	"	1,2	30 04	81	80	77	84	"	"	8	"	Set foresail
Mid.	5	8	"	"	1,2	30 05	81	81	77	84	"	"	4	"	

Ar. 38 W
Ar. 67 41

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. D. Ashley, U. S. Navy,

Saturday October 4th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a m Clear and pleasant with light to gentle breeze from N by E to N. Bar steady Sea smooth at 1.30 set fore and aft sail and at 3 o wind hauling took in fore and aft sail On course N & W by N Steaming with four boilers Av pres 50 lbs. Rev 33. At 1 sighted a sail two points on port bow. (Signed) C. D. T. Moore
Ensign

From 4 to 8 a m Clear and pleasant. Light to gentle breeze from N E by N. At 4.30 set jib flyjib main and mizzen topmast staysail spanker and gaff topsail Sea smooth On course N W by N under steam and sail Fires under four boilers Av pres 55 lbs Rev 35. Bar 30.05 (Signed) C. D. Bruce
Midshipman

From 8 a m to Merid Clear and warm Light airs from N E by N to N E. Steaming with four boilers On course N W by N Av pres. 50 lbs Rev. 36. C. A. Moulton (Sch'r) reported the expiration of his enlistment (Signed) L. D. Jouett
Master

From Merid to 4 P M. Clear and pleasant with light breeze from N E. Smooth sea Bar falling At 12.25 changed course to N N W ½ W. At 1.40 set M topmast staysail Steaming ½ power At pres. 55 lbs. Rev 33. (Signed) A. C. Leonly
Ensign

From 4 to 6 P M. Fair and pleasant with light breeze from N E. Bar steady Sea smooth On course N N W ½ W. Steaming with four boilers Av pres 50 lbs. Rev 30 lbs. Sighted two sail on starb bow. (Signed) C. D. T. Moore
Ensign

From 6 to 8 P M. Overcast first hour then cloudy and pleasant. Light to gentle breeze from N E. Rev 30 to 35 On course under steam and sail Fires in four boilers Av pres 50 lbs. Rev 35 (Signed) C. D. Bruce.
Midshipman

From 8 P M to Mid Clear and pleasant Light airs from N E. At 8 P took in M topmast staysail At 8.30 set foresail Fires in four boilers Av pres 50 lbs. Rev 33. On course N by W ½ W. (Signed) L. D. Jouett
Master

Moon's phase 3d qr Dec N 20°

Examined and found to be correct

(Signed) C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	6	ASW ½ W	SEby S	1		30 05	82	80	78	84	bc	Cir Cum Nimb	2	S	
2	6	0	"	"	2		30 06	82	80	78	84	"	"	4	"	
3	4	8	"	"	2		30 05	82	80	78	84	"	"	4	"	
4	5	0	"	"	2		30 05	82	80	78	84	"	"	4	"	
5	6	3	"	"	2		30 05	81	80	78	84	"	Cir Cum	4	"	
6	6	6	"	"	2		30 05	80	80	76	84	"	"	4	"	
7	6	3	"	"	2,6		30 05	80	78	75	84	bc qs	"	4	"	Hauled down Fly jib and Mg top staysail. hauled up foresail
8	6	2	"	"	2		30 05	80	79	76	84	bc	"	6	"	
9	6	5	"	"	2		30 09	80	80	76	84	"	"	9	"	Set Fly jib Mg top staysail and foresail
10	6	2	"	"	2		30 10	81	81	77	84	"	"	9	"	
11	5	8	"	"	2,3		30 10	80	80	77	84	"	"	9	"	
Noon.	5	5	"	"	2		30 09	81	81	77	83	"	"	9	"	

Lat 29.02 Lon 68.27

Distance run by Log since preceding Noon	137 knots	2 ~~fathoms~~ tenths.
Latitude by D. R. at Noon		S 29° 20' 56"
Longitude by D. R. at Noon		W 68° 39' 58"
Latitude by Observations at Noon ⊙		S 29° 21' 32"
Longitude by Chronometer from Forenoon Observations ⊙		W. 68° 42' 46"
Current during the time knots / ~~fms.~~ tenths per hour, setting to the		W. W. W ¾ W.
Variation of the Compass by Amplitude ⊙ observed at Sunrise		° ' "
Variation of the Compass by Azimuth ⊙ observed at 8.20 a m. { Lat. 29.02 Lon. 68.27		W 4° 00 '00"
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		1350 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.															
1	6	2	ASW ½ W	SEby S	2		30 08	81	81	77	83	bc	Cir Cum	9	S	
2	6	3	"	"	1		30 07	81	81	77	83	"	"	8	"	
3	6	0	"	"	1		30 06	81	81	78	83	"	"	8	"	Took in foresail
4	6	0	"	SSE	1.		30 05	82	81	77	83	"	"	9	"	Set foresail
5	6	2	"	S	2		30 06	81	80	77	82	"	"	7	"	
6	6	2	"	"	2		30 07	81	80	77	82	"	"	7	"	
7	6	3	"	"	2		30 09	81	80	76	83	"	"	6	"	Hauled up foresail
8	6	4	"	"	3		30 09	81	80	76	83	"	"	8	"	Set foresail
9	6	4	"	"	2		30 09	81	80	76	83	"	Cir Cum + Nimb	5	"	
10	6	4	"	"	3		30 09	80	80	76	83	"	"	6	"	
11	6	4	"	SEby S	3		30 09	80	80	76	83	"	"	6	"	
Mid.	6	4	"	"	2		30 09	80	80	76	83	"	"	8	"	

Lat 29.02 Lon 68.27

Longitude by Chronometer from Afternoon Observations ⊙		° ' "
Longitude by Chronometer from Observations *		° ' "
Variation of the Compass by Amplitude observed at sunset		° ' "
Variation of the Compass by at		° ' "

under the command of Commander H. A. Ashley, U. S. Navy,

Sunday October 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M. Generally cloudy but pleasant. Light breezes from N & by E. Smooth sea Bar falling. On course S.S.W 1/2 W. At 2.30 hauled fires in 5 & 7 boilers and started them in 1 & 3. the water being low in No 7. As at pres 55 lbs Revs 32 Under fores and aft sails except M. topmast staysails Obscured moonlight (Signed) A. C. Leonly Ensign

From 4 to 8 A M. Fair and pleasant with light breezes from N E by E Bar steady Sea smooth At 6.30 hauled down flying jib At 6.55 took in foresail and mizzen topmast staysail At 7.10 set mizzen topmast staysail and foresail At 8 hoisted fly jib On course S.S.W 1/2 W. Steaming four boilers As pres 55 lbs. Revs. 37. (Signed) C. P. T. Moore Ensign

From 8 A M to Mid. Clear and pleasant Light to gentle breezes from N E by E. At 8.15 set main topmast staysail at 9.15 divisions inspection At 9.30 the Captain inspected ship and crew at quarters At 9.40 called all hands to muster the Captain read prayers. The articles for the government of the Navy were read Crew mustered On course N N W 1/2 W. under steam and sail Fires in four boilers As pres 55 lbs. Revs 37. Bar 30.09 (Signed) C. L. Bruns Midshipman

From Mid. to 4 P M. Clear and warm Light airs from N E by E. Smooth sea Bar steady At 2.30 hauled up foresail Fires in four boilers At pres. 55 lbs Revs. 38. On course N N W 1/2 W. At 3.55 set foresail. (Signed) C. P. Jouett Master

From 4 to 6 P M. Clear and pleasant. Light breezes from E. Smooth sea Bar rising At 5 mustered at quarters On course N N W 1/2 W. under steam and fores and aft sails Fires in four boilers As pres 60 lbs Revs 39. (Signed) A. C. Leonly Ensign

From 6 to 8 P M. Clear and pleasant. Gentle breezes from E. Bar steady Sea smooth At 6.50 hauled up foresail Fires in four boilers As pres 50 lbs. Revs 39. (Signed) C. P. T. Moore Ensign

From 8 P M to Mid. Clear and pleasant. Light to gentle breezes from E to E by N. At 9.35 set foresail Long swell from N and E Bright moonlight On course N N W 1/2 W. under steam and sail Fires in four boilers As pres 55 lbs Revs 39 Bar 30.09 (Signed) C. L. Bruns Midshipman

Moored head 3d qr Dev No. 26°

Examined and found to be correct (Signed) C. K. Curtis Lieut Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making Passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	5	N N W ½ W	S ½ E	2		30 07	80	79	78	81	bc	Cir Cumm	8	1	all sails except m. sail
2	6	8	"	"	2		30 07	79	79	78	81	"	"	7	"	T.B sails & royals
3	6	6	"	S by W.	3		30 06 ×	99	78	78	81	bcp	Strat	4	"	
4	6	8	"	S	3		30 07	79	78	77	81	"	Cir Cumm	7	"	
5	6	8	"	S ½ E	3		30 08	79	76	77	81	bc	Cir Cumm + Strat	7	"	
6	6	8	"	"	3		30 10	80	78	77	81	"	"	7	"	
7	6	8	"	"	3		30 12	80	78	76	81	"	"	6	"	
8	6	5	"	"	3		30 10	80	78	76	81	"	"	6	"	
9	6	4	"	"	3		30 07	80	79	76	82	"	"	7	"	Set T.B sails & royals
10	6	5	"	"	3		30 00	79	79	75	82	"	"	7	"	Stopped steaming
11	3	4	"	N E by E	3		30 15	79	79	76	82	"	"	7	"	
Noon.	3	8	"	"	4		30 15	79	79	76	82	"	"	7	"	

Distance run by Log since preceding Noon 148 knots 9 fathoms.

Latitude by D. R. at Noon N 31 ° 25 ' 14 "

Longitude by D. R. at Noon W 70 ° 18 ' 4 "

Latitude by Observations at Noon ⊙ N 31 ° 27 ' 28 "

Longitude by Chronometer from Forenoon Observations ⊙ W 70 ° 34 ' 52 "

Current during the time knots 6 ~~fms.~~ tenths per hour, setting to the W 3/4 N

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 3 0 0 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 10 5 0 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	3	8	N N W ½ W	N E by E	3	30 13	79	79	76	83	bc	Cir Cumm Strat	6	1	
2	3	5	"	"	3	30 12	79	79	76	83	"	"	3	"	
3	3	8	"	"	3	30 12	79	79	76	82	"	"	2	"	
4	3	7	"	"	3	30 12	79	79	76	82	"	"	2	"	
5	4	0	"	"	3	30 × 12	79	78	76	82	C	"	1	"	
6	4	6	"	"	3	30 12	79	78	76	82	"	"	1	"	
7	4	6	"	E ½ E.	3	30 12	80	78	76	82	bc	Cir Cumm	6	"	
8	4	4	"	"	3	30 13	80	78	76	82	"	"	7	"	
9	4	3	"	"	3	30 15	81	78	76	81	"	"	6	"	
10	3	5	"	"	3	30 15	80	78	76	81	"	"	8	"	
11	2	7	"	"	3	30 × 15	79	78	75	81	"	"	7	"	
Mid.	3	3	"	E by S	3	30 15	79	78	75	81	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Monday October 6th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m. Generally clear and pleasant. with light passing showers of rain Light to gentle breeze from E by N & E to E Bar steady Smooth sea. At 3.30 set topsails. Fires in four boilers Av pres 55 lbs Rev 39. On course N. N. W 1/2 W

(Signed) L. P. Jouett
Master

From 4 to 8 a m. Clear and pleasant. Gentle breeze from E by N Smooth sea Bar unsettled On course N by W W 1/2 W. under all sail & topsails less mainsail steaming 1/2 power Av pres. 55 lbs. Rev 35.

(Signed) A. C. Lemly
Ensign

From 8 a m to Merid Clear and pleasant. with gentle to moderate breeze from E by N E to N by E by E. Bar steady Sea smooth At 9.15 general quarters cast loose all ready in 4m + 30s. Secured 6m. At 8.55 set T. G. sails and royals 10.15 stopped steaming and banked fires. At 11.10 started distiller. By order of Comdg Officer confined J. E. Kirk Esq in double irons for disrespect to the officers of his division On course N. N. W 1/2 W. (Signed) C. P. T. Moore
Ensign

From Merid to 4 P. M. Clear first hour then cloudy and pleasant. Gentle breeze from N by E by E. On course N by W W 1/2 W. Fires banked in four boilers Av pres 35 lbs. Distilling Bar 30.12

(Signed) C. L. Bouge
Master's Mate

From 4 to 6 P M Cloudy and pleasant. Gentle breeze from N by E by E. Smooth sea At 5 hauled fires in two boilers Fires banked in two boilers Av pres 35 lbs. Distilling On course N. N W 1/2 W.

(Signed) L. P. Jouett
Master

From 6 to 8 P M. Clear and pleasant with gentle breeze from E by N E. Smooth sea Bar rising On course N by W W 1/2 W. under all sail except mainsail Fires banked in two boilers Av pres 35 lbs. Distilling

(Signed) A. C. Lemly
Ensign

From 8 P M to Mid Clear and pleasant. with gentle breeze from E by N E to E by N. Bar steady and Sea smooth On course N by W W 1/2 W. Fires banked in two boilers Distilling At 12.00 changed course to N by W.

(Signed) C. P. T. Moore
Ensign

Moons phase 3d qr. Dec N. 21°

Examined and found to be correct

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At sea Making Passage from Pahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	2	S.S.W	E.S.E	2.4		30	15	78	78	75	81	bc	Cir Cum Strat bc	8	S	all plain sail to royals
2	5	3	"	"	4		30	15	78	78	74	81	"	"	8	"	except mainsail
3	5	3	"	S.E by E	4		30	15	78	78	74	81	"	"	8	"	
4	5	5	"	S.E	5		30	15	78	77	73	80	"	"	8	"	Hauled down flg jib
5	5	2	"	S.E by E	3.4		30	17	78	77	73	80	"	Cir Cum	9	"	
6	4	9	"	E.S.E	3.4		30	18	78	76	73	80	"	"	9	"	
7	6	0	"	"	4.5		30	20	78	76	73	80	"	"	9	"	Set flg jib
8	6	0	"	"	5		30	21	78	77	73	80	"	"	8	"	
9	5	8	"	East	4		30	23	78	77	73	80	"	"	8	"	
10	5	6	"	"	4		30	24	80	78	74	80	"	"	8	"	
11	5	8	"	E by S.	4		30	24	80	78	74	80	"	"	8	"	
Noon.	5	6	"	"	4		30	24	80	78	74	80	"	"	8	"	

Lat 33.42 Long 71.52

Distance run by Log since preceding Noon — 111 knots 4 ~~south~~ fathoms.

Latitude by D. R. at Noon — At 33° 3' 10"

Longitude by D. R. at Noon — At 71° 40' 32"

Latitude by Observations at Noon ⊙ — At 33° 2' 41"

Longitude by Chronometer from Forenoon Observations ⊙ — At 72° 4' 23"

Current during the time knots 8 ~~south~~ fms. per hour, setting to the — At 3 A.

Lg 76 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

764 Variation of the Compass by Azimuth ⊙ observed at 8 AM Lat 33.42 Long 71.52 — At 4° 45 "

Water expended during the preceding 24 hours — 300 gallons.

Water Condensed during the preceding 24 hours — 1000 "

Water remaining on hand fit for use at Noon — 1753 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.																
1	3 3	0 0	S.S.W. S by W W by W	S by E.	4		30	25	79	79	75	81	bc	Cir Cum	8	S	
2	5	8	"	S.	4		30	25	79	79	75	81	"	"	8	"	
3	5	2	"	"	4		30	25	79	79	75	81	"	"	6	"	
4	4	2	"	S.E.E	4.3		30	24	79	79	75	81	"	"	4	"	
5	3	8	"	"	3		30	23	79	79	75	82	"	"	8	"	
6	4	0	"	"	3		30	23	79	79	75	82	"	"	8	26	
7	4	4	"	"	3		30	23	79	78	75	82	"	"	8	"	
8	4	6	"	"	3		30	23	79	78	75	82	"	"	9	"	
9	5	4	"	"	4		30	24	79	78	75	82	"	"	8	"	
10	6	4	"	"	4		30	24	79	78	75	82	"	"	8	"	
11	6	8	"	"	4		30	25	79	78	75	82	"	"	7	"	
Mid.	6	8	"	"	4		30	25	79	78	75	82	"	"	8	"	

Lat 33 37 Long 72.28

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. L. Ickley, U. S. Navy,

Tuesday October 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ventd 4 a M^s Clear and pleasant Light to stiff breeze from S W & S to W S. Long & banked bk Cir Cums & Remt clouds driving from W N W. at 3.45 hauled down flying jib at 1.55 passed a trigantine bound to N^d & Fires banked in two boilers Av pres 25 lbs. Distilling on course W N W. Bar 30.N

(Signed) G. L. Bruce
Midshipman

From 4 to 8 a M^s. Clear and pleasant. Gentle to stiff breeze from N by E and E N E. Smooth sea at 6 45 set fly. jib Fires banked in two boilers Distilling

(Signed) L. P. Jouett
Master

From 8 a M^s to Merid Clear and pleasant. Moderate breeze from E and E by S. Smooth sea. At 9 S mustered at quarters and exercised companies at small arms. Fires banked in two boilers Av pres 25 lbs. Distilling at 11 sighted a sail on port bow standing to N^d Large quantities of gulf weed drifting by ship

(Signed) A. C. Lemly.
Engr

From Merid to 4 P M^s Clear and pleasant first three hours cloudy last hour Moderate to gentle breeze from E to E S E Bar steady Seas smooth At 12.35 changed course to N by W 3/4 W. At 3 hauled down mizz stay sail On course W by W 3/4 W. Fires banked in two boilers Distilling

(Signed) J. C. B. T. Moore
Engr

From 4 to 6 P M^s Clear and pleasant with gentle breeze from E. S. E. Long swell from S^d & E^d Fires banked in two boilers Av pres 25 lbs. Distilling On course W W by W 3/4 W. Bar 30.23 By order of Comdg Off I ascertained the following men were rated as seamen the rate to date from Oct 2 inclusive J. Murphy (os) F. Holzinger (os) A. Crosse (os) G. Zellar (os) E. F. Perry (os) J. Bryson (os) and F. L. De Forest (os)

(Signed) G. L. Bruce
Midshipman

From 6 to 8 P M^s Clear and pleasant. Gentle breeze from E S E On course W by W 3/4 W. Fires banked in four boilers Distilling

(Signed) L. P. Jouett
Master

From 8 P M^s Mid Clear and pleasant with moderate breeze from E N E. Smooth sea Bar steady. On course W by W 3/4 W. under all sail head manned and mizz staysail At 10.50 moon rose. Fires banked in two boilers Av pres 25 lbs. Distilling

(Signed) D. C. Lemly
Engr

Moond phase 3d qr Dec 24d

Examined and found to be correct.

(Signed) C. C. S. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At Sea Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	8	N by W ½ W	E.	4		30 25	78	77	75	81	bcz	Cirrus	9	S	all sail except m sail
2	5	0	"	E by N.	4		30 25	78	77	77	81	"	"	9	"	and mizen stay sail
3	5	0	"	"	4		30 25	78	77	75	81	"	"	9	"	
4	4	1	"	"	3		30 26	78	76	75	79	"	"	9	"	
5	4	4	"	E.	3		30 26	77	76	73	79	bcgw	"	9	"	
6	4	1	"	"	2		30 25	77	76	73	80	bcwg	"	9	"	Furled royals & T.B sails
7	3	8	"	"	2		30 28	77	76	73	80	"	"	9	"	Topsails & handed up fore sail
8	2	6	"	"	2		30 30	77	76	73	80	"	"	9	"	
9	3 3	4	N. by W	"	2		30 30	77	76	73	79	bc	Cumi	9	"	Took in main topmast stay sail
10	8	0	"	E by S	2		30 30	77	76	73	79	"	Nimbi	10	"	
11	8	0	"	"	2		30 31	77	76	73	79	"	"	10	"	Took in mizen top stay sail
Noon.	7	2	"	"	1		30 30	77	76	73	79	"	"	10	"	Took in fore and aft sail

Distance run by Log since preceding Noon 128 knots 4 ~~tenths~~ fathoms.

Latitude by D. R. at Noon Lat. 34° 58' 5"

Longitude by D. R. at Noon Long. 73° 11' 59"

Latitude by Observations at Noon ⊙ Lat. 35° 00' 00"

Longitude by Chronometer from Forenoon Observations ⊙ Long. 73° 17' 17"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 1000 "

Water remaining on hand fit for use at Noon 24600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	7	8	N N W	N. N. E.	1		30 28	79	78	75	80	b		10	
2	8	0	"	"	1		30 27	80	79	76	80	bc	Cirrus	8	"
3	7	8	"	N by W	1		30 24	80	79	76	81	"	"	7	"
4	8	0	"	"	1		30 24	80	79	76	83	"	"	7	"
5	7	5	N N W ½ W	"	1		30 24	80	80	76	83	bcz	"	7	"
6	7	5	"	"	1		30 24	80	79	76	83	"	"	7	"
7	7	4	"	"	1		30 21	80	79	74	83 82	"	"	7	"
8	7	4	"	"	1		30 20	79	78	74	82	"	"	7	"
9	7	8	"	Calms	0		30 20	79	78	74	82	bcg	Cumi	8	"
10	7	8	N by W ¼ W	"	0		30 25	79	78	74	82	"	"	9	"
11	7	8	"	"	0		30 22	79	78	74	72	"	"	9	"
Mid.	8	0	"	"	0		30 17	79	78	74	73	"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. A. Schley, U. S. Navy,

Wednesday October 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a M^s Clear and pleasant with moderate to gentle breeze from E^t to E by N. Bar steady Steamed On course N. by W 3/4 W. Fires banked in two boilers Distilling

(Signed) G. B. T. Moore
Ensign

From 4 to 8 a M^s Clear and pleasant. Foggy and heavy dew first two hours Gentle to light breeze from E by N At 6 started fires in four additional boilers At 7.55 hoisted royals T.G. sails topsails and clewed up forecastle At 7.50 stopped distiller On course N by W 3/4 W. Bar 30.26 Passed a three masted schooner standing to S^d & E^t. (Signed) G. L. Brune
Midshipman

From 8 a M^s to Merid Clear and pleasant. Light airs and breeze from E & E.S.E. Bar steady At 8.05 started ahead with fires under six boilers At 8.30 changed course to N N W. At 8.45 took in main and mizzen topmast staysails At 9.15 inspected at quarters and exercised at great guns Upon recommendation of Board of Survey. threw overboard six (6) ~~bbl~~ butter condemned butter At 11.40 took in fore and aft sails Fires in six boilers As pres 55 lbs. Rev 50 Ship on course N N W.

(Signed) L. P. Jouett
Master.

From Merid to 4 P M^s. Clear and warm Light airs from N N E and N W. Long swell Bar falling On course N N W. Steaming 3/4 power Rev 49. St pres 55 lbs. Scraped spars Noticed large quantities of drifting gulf weed At 4 changed course to N N W 1/2 W.

(Signed) A. C. Lemly
Ensign

From 4 to 6 P M^s. Clear and pleasant. with light airs from N W. Bar unsteady Sea smooth At 5.00 sent down royal and T.G. yards Sighted a sail one point on port bow. On course N N W 1/2 W.

(Signed) G. B. T. Moore
Ensign

From 6 to 8 P M^s. Clear and pleasant. Light airs from N W. On course N N W 1/2 W steaming fires in six boilers As pres 55 lbs. Rev 48. Bar 30.20

(Signed) G. L. Brune
Midshipman

From 8 P M^s to Midn Clear overhead misty around horizon At 9. changed course to N by W. 1/4 W. Fires in six boilers As pres 55 lbs. Rev 47 At 10.30 noticed a decided change in thermometer it having fallen 10 degrees in the preceding half hour

(Signed) L. P. Jouett
Master

Moored ship's head East pr Dec N 2.0

Examined and found to be correct.

(Signed) C. C. Clarke
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Making passage from Bahia Brazil to Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	5	Abt Nt by Nt	Nt by Nt	1		30 17	76	74	73	73	bcw	Cirrum	6	1	
2	7	8	"	"	1		30 17	76	74	73	73	"	"	6	"	
3	8	0	"	"	2		30 17	76	74	73	73	"	"	5	"	
4	8	0	"	"	2		30 16	75	72	70	73	"	"	5	"	
5	8	0	"	Nt by E. Nt.	3		30 16	71	71	69	73	"	"	3	"	
6	8	0	"	E. Nt	3		30 15	71	71	69	73	"	"	2	"	
7	8	0	"	"	3		30 13	71	71	69	73	"	"	1	"	
8	8	0	"	Nt by E. Nt	3		30 14	71	71	69	73	"	"	1	"	
9	8	2	"	Nt by E	3		30 14	71	71	69	73	bcz	"	1	"	
10	5	5	Abt Nt	"	4		30 13	71	70	69	73	"	"	3	"	Set T. Gails
11	8	2	"	"	4		30 10	71	70	69	73	"	"	7	"	
Noon.	7	5	"	"	3		30 09	71	71	70	70	"	"	7	"	

Distance run by Log since preceding Noon 188 knots 4 tenths fathoms.

Latitude by D. R. at Noon Nb 37° 52' 36"

Longitude by D. R. at Noon Wt 74° 46' 41"

Latitude by Observations at Noon ⊙ Nb 38° 5' 0"

Longitude by Chronometer from Forenoon Observations ⊙ Wt 74° 48' 2"

Current during the time knots 5 tenths fms. per hour, setting to the Nb ½ Wt

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2150 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	6	0	Nbt by Nt	Nt by E. Nt.	1.2	30 07	73	72	71	71	bcz	Cirrum	3	1	Took in sail
2	7	6	Nbt ¼ Nt		1	30 05	73	72	71	72	"	"	4	"	
3	3,	2,	Nbt ½ Nt	Calm	0	30 03	73	74	71	73	"	"	3	"	
4	7	0	"	"	0	30 03	73	74	71	73	"	"	2	"	
5	7	4	Nb ¾ Nt	E	1	30 04	74	74	71	72	"	"	5	"	
6	7	8	Nb Nbt by Nb	"	2	30 04	75	73	72	72	"	"	5	"	
7	7	4	standing up Bay in charge of Pilot			30 04	75	73	72	71	"	"	6	"	
8				E. Nt	1	30 04	75	73	72	71	"		6	"	
9			At anchor	"	1	30 03	74	73	71	71	bcz w	Cirrum + Str	9	"	
10		Ebb	Abt Nt	"	1	30 03	74	73	71	71	"	"	9	"	
11		"	"	"	1	30 03	73	73	71	71	"	"	9	"	
Mid.		"	Nt	"	1	30 03	73	73	71	71	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. Schley, U. S. Navy,

Thursday October 9th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light airs to gentle breeze from N by E. Smooth sea Set fore and aft sails except main topmast staysail at 3.15 sighted three sail standing to S.E. Bar steady Steaming 3/4 power Ac pres 50 lbs. Rev 47. On course N by E 1/4 E.

(Signed) A. B. Lemly
Ensign

From 4 to 8 A.M. Cloudy and damp with gentle breeze from E.N.E. to E. Bar steady Sea smooth At 6.20 set topsails and foresail Steaming six boilers 55 lbs Steam Rev 46. Sighted several sail standing in various directions On course N by E 1/4 N.

(Signed) C. B. T. Moore
Ensign

From 8 A.M. to Meridn Cloudy and very hazy first part. then clear and pleasant. Moderate to gentle breeze from N by E. at 8.40 exchanged colors with a Swedish barque at 9 exchanged colors with the american packet "Champion" at 9.15 inspected at quarters. By order of Comdg Officer J. E. Kirk (Cox) was released from confinement At 10.20 changed colors ~~with~~ N by E At 10.25 cast the lead bottom at 20 fms Nature of bottom fine light brown sand and black specks At 10.50 called all hands and crossed T.G yards and set T.G sails At 11.55 cast the lead bottom at 11 fms Nature of bottom same as above On course N by E. under steam and sail Fires in six boilers Ac pres 55 lbs. Rev 47 Bar falling 30.09

(Signed) C. L. Bruce
Midshipman

From Merid to 4 P.M. Generally cloudy with mist around horizon Calm and light airs from N.E. to E. Standing in for Cape Henlopen Changed the courses as follows. 1.05 to N 3/4 E. at 1.24 N 1/2 E. at 2 to N 3/4 E. 2.25 N by E 2.50 to N by E 1/4 E. At 3 called all hands and furled all square sails Sprit sail Topsail Jibboom staysails and stowed them below at 3.05 took in fore and aft sails Bent chains and got anchors off bows. Fires in six boilers 55 lbs steam 46 Revs a number of sail in sight during watch At 3.45 sighted Cape Henlopen light house bearing (pc) N.W. by W.

(Signed) C. P. Jouett
Master

From 4 to 6 P.M. Clear and pleasant. Hazy about horizon Light airs from E. Smooth sea At 4.45 hoisted pilot flag and fired a gun. At 5.35 Philadelphia Pilot came on board Making preparations for port. (Signed) A. B. Lemly
Ensign

From 6 to 8 P.M. Fair and pleasant with light airs from E. Bar steady Sea smooth Steaming up Delaware Bay under charge of Pilot at 6.45 sighted Brandywine light At 7.25 Cape May light (pc) N 87 1/2 E. Brandywine light S 86 1/2 E. At 8 Cape Henlopen light N. Fires in six boilers 55 lbs steam 46 Revs. (Signed) C. B. T. Moore
Ensign

From 8 P.M. to Midt Clear and pleasant. Lightning from N.W. Very hazy and heavy dew Light airs from S.W. Standing up Delaware Bay in charge of Pilot At 9. came to anchor in 7 fms water 2.5 fms on port chain. Fourteen fathom bank light bore S E by S 1/2 E. and Egg Island light N.E. Banked fires in six boilers At 9.35 started distiller Riding to the Ebb. Bar 30.03

(Signed) C. L. Bruce
Midshipman

Moons phases Last qr Dec. N. 18°

Examined and found to be correct.

(Signed) C. K. Carter
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At Anchor off League Island Navy Yard

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			A. & E.	Calms	0		30 03	73	72	71	71	bc m	Horse	10	A	
2			"	"	0		30 03	73	72	71	71	"	"	10	"	
3			"	N.E.	1		30 02	73	72	71	71	"	"	10	"	
4			"	"	1		30 01	73	72	71	71	"	"	10	"	
5			"	"	2		30 03	72	71	70		"		9	"	
6			"	"	2		30 05	72	70	69		bc	Cumulus	8	"	
7			A. E.	"	2		30 07	71	70	69		"	"	8	"	
8			"	"	2		30 07	71	70	69		"		2	"	
9	Standing up Delaware			"	2		30 10	72	71	70		bcz	Cirrus	9	"	
10	Bay and River			"	2		30 10	72	72	71		"	"	9	"	
11	under charge of Pilot			"	2		30 10	75	76	73		"	"	9	"	
Noon.				"	2		30 10	75	76	74		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1800 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.														
1	Standing up the	A.E.	1	30 08	76	76	73	bcz	Stratus	10	A	
2	Delaware in charge of	"	1	30 08	78	78	73	"	"	10	"	
3	Pilot	"	2	30 08	79	78	73	"	"	10	"	
4		"	3	30 08	78	78	73	"	"	10	"	
5	At Anchor off	E. by S.	3	30 10	74	74	72	"	"	10	"	
6	League Island Navy	E.	4	30 11	74	74	72	"	"	10	"	
7	Yard "	E. by S.	4	30 12	72	69	68	"	"	10	"	
8	"	"	4	30 12	72	69	68	"	"	10	"	
9	"	E.	3	30 13	70	69	68	C	Strat	0	"	
10	"	"	3	30 13	70	69	68	"	"	0	"	
11	E.	A. A. E.	2	30 13	71	69	68	"	"	0	"	
Mid.	"	"	1	30 15	71	69	68	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. A. Schley, U. S. Navy,

Friday Oct 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Clear and cool Misty around horizon Calms and light airs from N & E. At 12 30 owing to flood tide Fires banked in six boilers Distilling

(Signed) L. P. Jouett
Master

From 4 to 8 A M First part clear and pleasant. Foggy about horizon at 7 15 fog set in clearing up again at 8. At 5 00 spread fires in six boilers at 4.45 brought to on port chain 5 30 called all hands up anchor at 5 30 got under way and stood up the Bay under charge of Pilot at 6 10 crossed royals yards Ar at pres 50 lbs. Rec 45 at 5 30 stopped distiller

(Signed) A. C. Leemly
Ensign

From 8 A M to Merid Clear and pleasant with light breezes from N & E. Bar steady. Steaming up Bay and River in charge of Pilot Sea smooth Fires in six boilers Ar pres 45 lbs. Rec 48.

(Signed) C. P. T. Moore
Ensign

From Merid to 4 P M. Clear hazy and pleasant. Light airs to light breezes from N & E. On passing New Castle made the following signals by International code. P. Q. J. D. R. & C. standing up the Delaware in charge of Pilot Bar steady 30 00 Fires in six boilers Ar pres. 55 lbs. Rec 42.

(Signed) C. L. Simms
Midshipman

From 4 to 8 P M Clear and misty around horizon Gentle to moderate breezes from E by N & E to E by S. At 4 05 exchanged numbers with Flagship "St. Louis" At 4 20 anchored off Lazaretto Island Navy Yard in 5 fms. water and veered to 30 fms on port chain At 5.15 "St Louis" made yaws sig 4 05 At 5 45 hauled fires. Draught of water forward 13 ft 2 in Amidships 14 ft 6 1/2 in Aft 15 ft 9 in

(Signed) L. P. Jouett
Master

From 8 P M to Mid Cloudy. Gentle breezes to light airs from N by E. At 10. 15 owing to ebb.

(Signed) ~~A. C. Leemly~~
L. K. Curtis ~~Ensign~~
Lieut.

Moons phases Last qr Dec. N. 13°

Examined and found to be correct.

(Signed) L. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At Anchor off Leagues Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E by N.	NE	2		30 15	72	67	65		oc	Cums	0	1	
2			"	"	2		30 15	72	67	65		"	"	0	"	
3			"	"	2		30 15	72	67	65		"	"	0	"	
4			"	"	2		30 18	72	66	65		"	"	0	"	
5			"	"	2		30 20	72	66	65		"	"	0	"	
6			N.	"	3		30 21	72	66	65		"	"	0	"	
7			"	"	2		30 23	72	67	65		"	"	0	"	
8			N by N.	"	2		30 25	74	67	65		"	"	0	"	
9			N N W.	"	2		30 25	68	66	64		"	Cumt Nimbs	0	"	
10			"	"	2		30 24	67	66	64		"	"	0	"	
11			E	E by S	2		30 24	67	66	65		"	"	0	"	
Noon.			"	"	2		30 25	69	67	66		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			E	E N E.	2		30 25	69	69	67		bc	Cirrhum & S		1	
2			E by N	E by N.	2		30 25	70	70	67		oc	"	0	"	
3			"	"	2		30 24	70	69	66		"	"	0	"	
4			"	"	2		30 24	70	69	66		"	"	0	"	
5			"	"	2		30 24	70	68	66		"	Cums & Nimbs	0	"	
6			N by E.	"	2		30 23	69	68	66		"	"	0	"	
7			"	"	2		30 19	68	67	65		"	"	0	"	
8			"	"	2		30 19	68	67	65		"	"	0	"	
9			"	N E	4		30 22	68	66	64		"	"	0	"	
10			"	"	2		30 25	70	68	66		"	"	0	"	
11			N N W	"	1		30 25	70	78	74		"	"	0	"	
Mid.			E by N	"	1		30 25	78	76	74		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander A. S. Schley, U. S. Navy,

Saturday October 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Cloudy and cool Light breeze from N.E. Bar rising Ebb tide

(Signed) L. B. T. Moore.
Ensign

From 4 to 8 A.M. Cloudy and overcast. Light to gentle breeze from N.E. At 5 swung to flood Engaged in painting ship outside

(Signed) L. P. Jouett
Master

From 8 A.M. to Merid. Cloudy but pleasant with gentle breeze from N.E. and E. by N.E. At 9.40 At Louis made general signal Answered Wm McCann (os) reported the expiration of his term of service Transferred to Navy Yard for safe keeping the following prisoners under sentence of G.C.M. John Kelly (Sea) John Scott (os) Patrick Conley (os) James Gow (Ord) and Chas. Smith (Ord) At 10.45 swung to ebb.

(Signed) L. C. Lemly
Ensign

Merid. to 4 P.M. Cloudy but pleasant. with light breeze from N by E. Sent John McCardle (1 cl) John Ford (2 cl) Wm Walker (Sea) and Richard Silvey (Sea) Carl Peterson (Sea) N. Rodgers (Ord.) and J. T. Ward (P.M.) to hospital. Rigged out first cutter Bar steady Seas smooth

(Signed) L. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy Gentle breeze from E by N. At 5.10 slack water At 5.25 ship swung to ebb.

(Signed) L. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy and cool. with light breeze to light airs from N.E. Bar steady Swung to the ebb. at 11.20

(Signed) L. B. T. Moore
Ensign

Moon phase Last qr Dec N. 8°

Examined and found to be correct

(Signed) C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At Anchor off League Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Stk.		S	Calm	0		30 25	69	66	66		oc w	Cir-Cum & Numb	0	S	
2	"		"	"	0		30 25	69	66	66		"	"	0	"	
3	"		"	"	0		30 25	69	66	66		"	"	0	"	
4	"		"	"	0		30 23	67	66	66		"	"	0	"	
5	"		"	"	0		30 22	66	66	68		oc	Cum & Nimt	0	"	
6	Swing to flood		W by S.	"	0		30 22	67	67	66		"	"	0	"	
7			W.	"	0		30 22	69	67	66		"	"	0	"	
8			"	"	0		30 22	67	67	66		"	"	0	"	
9			"	W.	2		30 22	67	67	66		"	Cum	0	"	
10			"	"	2		30 23	67	67	66		"	"	0	"	
11			"	"	2		30 26	68	67	66		"	"	0	"	
Noon.			S. & by S.	S. W by W	2		30 30	68	67	66		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	Stk.	S.	S. W	3		30 20	70	70	68		oc	Cum Nimb	0	S	
2	"	S by S.		3		30 19	70	70	68		oc	"	3	"	
3	"	"	S. W by S.	3		30 15	70	70	68		"	"	2	"	
4	"	"	"	4		30 15	70	70	68		"	"	3	"	
5	"	"	S. W.	4		30 15	71	70	67		fog	Cum	5	"	
6	"	S	W S. W.	2		30 15	71	70	67		"	"	8	"	
7	Flood	W by S.		2		30 15	72	68	66		oc	"	8	"	
8	"	"	W by S.	1		30 15	72	69	65		"	"	8	"	
9	"	W	"	1		30 15	72	67	68		oc	—	10	"	
10	"	"	"	1		30 13	72	67	68		"	—	10	"	
11	"	"	"	1		30 21	72	67	68		"	—	10	"	
Mid.	"	"	"	1		30 11	72	65	66		"	—	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander W. A. Schley, U. S. Navy,

Sunday October 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and pleasant. Very heavy dew Calm Riding to the ebb Bar 30.23
(Signed) C. L. Bruns
Midshipman

From 4 to 8 A.M. Overcast and cloudy. Slack water at 5.50 Moving to flood at 6.15 Bar 30.22
(Signed)
Ensign

From 8 A.M. to Merid Cloudy but pleasant. Light breeze from S.E. to S.S.W. by W. Bar rising Sea smooth at 9.50 Cond Officer inspected ship and crew at quarters after which called all hands to muster and read prayers Ship riding to flood tide Slack water at 11.45 Moving to ebb at noon
(Signed)
Ensign

From Merid to 4 P.M. Overcast cloudy and pleasant. Gentle breeze from S.W. and S.W. by S. Riding to the ebb. Bar falling 30.15
(Signed) C. L. Bruns
Midshipman

From 4 to 8 P.M. Clear and pleasant with light breeze from S.W. and W.S.W. Bar Steady Moving to the flood at 6.10
(Signed)
Ensign

From 8 P.M. to Mid. Clear and pleasant. Hazy and heavy dew Light airs from W. by S. Riding to the flood Bar 30.11
(Signed) C. L. Bruns
Midshipman

Mond phase Last qr Dec 16. 2°

Examined and found to be correct.

(Signed) C. C. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,
At Anchor off Seguin Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			East	Calms			30 12	69	67	65		b m	Horiz	10	S	
2			"	"			30 12	69	67	65		"	"	10	"	
3			"	"			30 12	68	67	65		"	"	10	"	
4			"	"			30 12	68	67	65		"	"	10	"	
5							30 10	67	67	65						
6							30 10	67	66	65						
7							30 10	67	66	65						
8							30 10	67	66	65						
9			W.	N E	1		30 11	69	68	66		bc	Horiz	10	"	
10			"	"	2		30 13	71	68	67		"	"	10	"	
11			"	"	2		30 12	73	74	70		"	"	10	"	
Noon.			"	"	1		30 11	75	76	73		"	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			W	E by E	2		30 09	77	79	73		bc	Cirrus	9	S	
2			E by E	"	2		30 09	77	79	74		"	"	8	"	
3			"	"	2		30 09	77	78	74		"	"	9	"	
4			"	"	2		30 09	77	78	74		"	"	9	"	
5	E bb.		E	"	1		30 09	77	78	74		"	"	6	"	
6			"	"	4		30 10	76	75	74		"	"	7	"	
7			S by E	"	1		30 10	74	75	74		"	"	7	"	
8	Flood		S	"	1		30 10	73	75	74		"	"	7	"	
9			"	N E	1		30 11	72	75	70		"	"	8	"	
10			"	"	1		30 11	71	71	70		"	"	9	"	
11			"	"	1		30 13	71	71	68		bc	Horiz	10	"	
Mid.			"	"	1		30 14	69	69	67		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. L. Ashley, U. S. Navy,

Monday October 13th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Clear overhead Misty around horizon Calm At 2 swung to ebb tide

(Signed) L. P. Jewett
Master

From 4 to 8 A M. Clear calm and pleasant. Ebb tide Bar steady Received fresh beef and vegetables for crew.

(Signed) C. P. T. Moore
Ensign

From 8 A M to Midn. Clear except hazy about horizon Light airs to gentle breeze from N & E. Flood tide Midn 8. G. Prisns with a corporal and two private marines under order from the Senior Officer present to proceed to New York in charge of General Court Martial Deserters delivered them at Navy Yard and then returns and resume his duties on board this ship. (Signed) L. L. Lemly
Ensign

From Midn to 4 P M. Clear and warm Light breeze from S & E. At 1245 ship swung to ebb tide.

(Signed) L. P. Jewett
Master

From 4 to 8 P M Clear and pleasant with light airs from S & E. Slack water at 700 Swung at 7.23

(Signed) L. L. Lemly
Ensign

From 8 P M to Mid Clear and cool Light breeze from N & E.

(Signed) L. P. Jewett
Master

Moons phase Last qr. Dec. S. 4°

Examined and found to be correct.

Signed C. K. Curtis Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

At Anchor off Leagues Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.	NE	0.1		30 14	68	65	65		bc	Cum	7	S	
2			NNE	"	0.1		30 14	69	65	64		"	"	7	"	
3			E by N	"	0.1		30 14	69	64	62		"	"	7	"	
4			"	"	0.1		30 14	68	62	61		"	"	7	"	
5		6	E	"	2		30 15	67	58	56		"	Cir Cum	6	"	
6		"	"	"	2		30 17	67	58	56		"	Cir Str	6	"	
7		"	"	"	2		30 20	67	58	56		"	"	7	"	
8		"	"	"	2		30 19	67	61	59		"	"	7	"	
9			N	E	2		30 20	66	62	59		"	Cir Cum	7	"	
10			"	"	2		30 20	66	63	61		"	"	8	"	
11			"	NE	2		30 20	66	63	61		"	"	8	"	
Noon.			"	"	2		30 20	67	71	65		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			N.	SE	2		30 20	69	71	65		bc	Cir Cum	8	S	
2		6	E by N	"	2		30 17	72	72	68		"	"	8	"	
3			"	"	2		30 16	72	72	68		"	"	8	"	
4			"	"	2		30 15	73	73	68		"	"	7	"	
5			"	Calm	0		30 15	74	73	68		"	"	9	"	
6			"	"	0		30 15	72	70	68		"	"	9	"	
7			"	"	0		30 15	72	69	68		6	Horiz	10	"	
8			"	"	0		30 15	71	69	67		"	"	10	"	
9		Flood	N	"	0		30 15	72	68	66		"	"	10	"	
10		"	"	"	0		30 15	72	66	65		"	"	10	"	
11		"	"	NW	1		30 15	70	65	64		"	"	10	"	
Mid.		"	"	"	2		30 15	70	65	64		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. I. Ochley, U. S. Navy,

Tuesday October 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Calm clear and pleasant. Light airs from S.E. at 1 owning to ebb.
(Signed) C. K. Curtis
Lieut

From 4 to 8 A M. Clear and pleasant Cool first part. Light breeze from N.E. Bar unsettled Riding to the ebb tide. Received fresh provisions for crew
(Signed) A. C. Lemly
Ensign

From 8 A M to Merid Clear and pleasant Light breeze from E and S.E. at 8.0 owning to the flood at 11 the Board of Inspection of which Commodore Cooper is president came on board. The Board inspected the ship. Exercised at divisional drills and had divers parade. At 1045 battery on shore fired a salute of eleven guns
(Signed) L. P. Jouett
Master

From Merid to 4 P M. Clear and pleasant with light breeze from S.E. Tide turned ebb at 2.0 Exercising under inspection of Board
(Signed) C. P. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant Calm. Richard Jones (Stg Stew) returned on board
Signed L. P. Jouett
Master

From 8 P M to mid. Clear and pleasant. Calm first half. Light breeze from S. W. last part.
(Signed) C. P. T. Moore
Ensign

Moon's phases Last qr Dec 2 10h

Examined and found to be correct.
Signed C. K. Curtis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

At Anchor off Leagues Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Hand		At	At Anchor	1		30 14	68	62	61		bw	—	10	Ø	
2	"		"	"	1		30 14	68	62	61		"	—	10	"	
3	Obs.		At	"	1		30 12	68	63	62		"	—	10	"	
4			E	"	1		30 12	66	64	62		"	—	10	"	
5			"	At Anchor	1		30 12	65	63	62		bwc		10	"	
6			"	"	2		30 12	65	63	62		"	—	10	"	
7			"	"	2		30 12	65	63	62		"	—	10	"	
8			"	"	2		30 12	65	63	62		"	—	10	"	
9			At	"	2		30 13	66	65	68		bg	—	10	"	
10			"	"	2		30 13	68	68	66		"	—	10	"	
11			"	"	2		30 12	70	72	70		"	—	10	"	
Noon.			"	"	2		30 10	72	75	73		"	—	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1	Hand		At	At Anchor	2		30 08	73	78	76		bz	—	10	Ø	
2	Obs.		"	"	2		30 08	75	78	76		"	—	10	"	
3			Obs.	"	2		30 08	76	80	78		"	—	10	"	
4			"	"	2		30 08	76	80	78		"	—	10	"	
5			"	North	2		30 05	76	79	76		"	—	10	"	
6			"	Calms	0		30 05	75	75	74		"	—	10	"	
7			"	"	0		30 05	76	75	74		"	—	10	"	
8			"	"	0		30 05	75	73	71		"	—	10	"	
9			"	At Anchor	1		30 06	74	71	71		bgw	—	10	"	
10			At	"	1		30 07	74	71	71		"	—	10	"	
11			"	"	1		30 07	73	70	68		"	—	10	"	
Mid.			"	"	1		30 07	72	70	68		"	—	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander K. A. Ashley, U. S. Navy,

Wednesday October 15th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A M. Clear and pleasant. Heavy dew. Light airs from N W. at 2 h swung to ebb. Interval required in swinging 19 minutes Bar 30.12

(Signed) C. L. Brune
Midshipman

From 4 to 8 A M. Clear and pleasant. Light breeze from S. W. Misty around horizon

(Signed) L. P. Jouett
Master

From 8 A M to Merid Clear and pleasant with light breeze from S.W. Swung to flood at 8.25 At 10.00 the Board of Inspection came on board Exercised sails under inspection Michael Mangan (O.S.) reported the expiration of his term of service Confined Michael Cleary (Dr Gr) in double irons by order of Comdg Officer for contumacious conduct aloft.

(Signed) C. P. T. Moore
Ensign

From Merid to 4 P.M. Clear and pleasant. Hazy. Light breeze from N.W. At 1230, the board of inspection left the ship At 1 sent down T.G. and royal yards Unbent all sails and stowed them below Discharged shell rooms and magazine placed contents on board lighter which was towed to Magazine Fort Mifflin in charge of Lt Curtis. Placed Richard Jones (Stg Stew) in solitary confinement on bread and water for remaining on shore fifty hours without permission By order of Comdg Officer discharged E E Barclay (O.S.) from the Naval service from this day and date inclusive by order of Navy. Dept At 2.15 swung to ebb. Bar 30.08

(Signed) C. L. Brune
Midshipman

From 4 to 8 P M Clear and pleasant Light breeze from N.W. first hour Calm last three Bar steady Riding to the ebb.

(Signed) C. P. T. Moore
Ensign

From 8 P M to Mid Clear hazy and heavy dew Light airs from N.W. At 9.25 swung to the flood Bar 30.07

(Signed) C. L. Brune
Midshipman

Moons phases New moon Dec 16d

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

At Anchor off League Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N	N.E.	1		30 07	70	68	67		bc m	Cirrum	8	S	
2			"	"	1		30 07	70	68	67		"	"	8	"	
3			E	Calm	0		30 07	70	68	67		"	"	9	"	
4			"	"	0		30 07	70	67	65		"	"	8	"	
5			"	"	0		30 08	69	67	65		"	"	8	"	
6			"	"	0		30 10	69	66	64		"	"	8	"	
7			"	"	0		30 10	69	66	64		"	"	8	"	
8			"	"	0		30 10	70	68	67		"	"	9	"	
9	Ebb.		"	N N E	1		30 12	70	72	70		bz	—	10	"	
10	Flood		N by W	"	1		30 12	75	74	72		"	—	10	"	
11	"		"	"	2		30 12	75	76	74		"	—	10	"	
Noon.		"	"	"	2		30 14	78	78	74		"	—	10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1				E	1		30 08	79	85	82		bz	—	10		
2			"	"	2		30 05	79	85	82		"	—	10	"	
3			"	"	2		30 05	80	86	82		"	—	10	"	
4			"	"	1		30 05	80	86	82		"	—	10	"	
5	Secured to wharf.			S. W.	1		30 05	80	86	82		"	—	10	"	
6			"	"	1		30 05	80	85	82		"	—	10	"	
7			"	"	1		30 05	78	80	80		"	—	10	"	
8			"	"	1		30 05	78	75	74		"	—	10	"	
9			"	Calm	0		30 07	75	73	72		"	—	10	"	
10			"	"	0		30 07	75	72	70		"	—	10	"	
11			"	"	0		30 05	74	71	70		"	—	10	"	
Mid.			"	"	0		30 05	72	70	68		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. D. Schley, U. S. Navy,

Thursday October 16th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Cool, and misty around horizon Light airs from NE and calms. At 2 1/5 swung to ebb.

(Signed) L. P. Jouett
Master

From 4 to 8 A M. Clear and calm Bar rising Sea smooth Riding to ebb.

(Signed) B. T. Moore
Ensign

From 8 A M to Merid. Clear and pleasant. Hazy. Light airs to light breezes from N to E. Released Michael Cleary (Ord Sr) from confinement and restored him to duty by order of the Comdg Officer At 9 15 inspected at quarters At 9 25 swung to ebb. Bar 30.14

(Signed) C. L. Briggs
Midshipman

From Merid to 4 P M. Clear and warm. Light airs to light breezes from E. At 2 00 hove up anchor and came alongside dock. Engaged in making ship fast.

(Signed) L. P. Jouett
Master

From 4 to 8 P M. Clear and pleasant. Light airs from S. to N. Finished securing ship to Navy Yard Wharf. By order of Comdg Officer placed Boatswain J. A. Dean under suspension for insolence to superior officer At 5 30 ordered to quarters and served out clean hammocks Bar 30.06

(Signed) C. L. Briggs
Midshipman

From 8 P M to Mid. Clear and damp Misty around horizon Calm.

(Signed) L. P. Jouett
Master.

Moons phase 1st qr Dec. D. 21°

Examined and found to be correct.

(Signed) C. H. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Navy Yard Leagues Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			Steered ½ Wharf	N. N. W.	1.2		30 08	72	70	70		bcf	Cum	8	A	
2			Wharf	"	1.2		30 07	71	68	68		"	"	8	"	
3			"	"	1.2		30 07	70	68	68		"	"	8	"	
4			"	"	1.2		30 07	70	67	66		"	"	8	"	
5			"	Calm	0		30 07	70	67	66		bc/bz	"	9	"	
6			"	"	0		30 07	70	67	66		"	"	9	"	
7			"	"	0		30 09	68	67	66		bcz	"	9	"	
8			"	"	0		30 10	69	67	66		"	"	9	"	
9			"	N.	1		30 10	70	69	68		bc	Cir Cum	8	"	
10			"	"	1		30 10	72	71	70		"	"	8	"	
11			"	"	1		30 10	73	74	73		"	"	7	"	
Noon.			"	"	1		30 10	75	75	75		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.															
1		Secured ½ Wharf	N. N. W.	2		30 07	78	81	74		bc	Cir Cum Str	7	A	
2		"	N. W.	2.3		30 07	78	81	74		"	"	8	"	
3		"	"	2.3		30 07	79	82	74		"	"	8	"	
4		"	"	2		30 07	79	82	74		"	"	8	"	
5		"	N.	3		30 10	78	79	76		bz	Stone	10	"	
6		"	"	3		30 10	78	79	76		"	"	10	"	
7		"	"	2		30 10	76	78	77		"	"	10	"	
8		"	"	2		30 10	76	75	77		"	"	10	"	
9		"	N E	2		30 10	75	72	74		bc	Cum Str	8	"	
10		"	"	2		30 09	73	69	71		"	"	8	"	
11		"	"	2		30 08	71	69	68		"	"	8	"	
Mid.		"	"	2		30 08	71	69	68		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Friday October 17th, 1879

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M Clear overhead foggy about horizon Light airs to light breeze from N. W. Bar steady.

(Signed) C. K. Curtis Lieut.

From 4 to 8 a M. Foggy first two hours then clear hazy and pleasant. Cat and fished port anchor Run the broadside guns fore and aft. Bar rising 30.0

(Signed) C. L. Bruns Midshipman

From 8 a M to Merid Clear and warm Light airs from W'd Engaged in unrigging ship and sending stores on shore. J. L. Konig (B. M.) and Andrew McGarvey (B. Mkr) absent without leave By order of Comdg Officer Boatswain's Mate T. A. Dean was returned to duty (Signed) L. P. Jouett Master

From Merid to 4 P M Clear and pleasant. Light airs to gentle breeze from S. W. Bar 30.07 Engaged in hoisting out coal and transferring stores from Ship to Navy Yard (Signed) A. C. Lemly Ensign

From 4 to 8 P M Clear and pleasant. Light to gentle breeze from W'd Sent down and rigged on shore the T. G. masts, and top sails and lower yards (Signed) L. P. Jouett Master

From 8 P M to Mid Clear and pleasant. Light breeze from S. E. Bar 30.08

(Signed) A. C. Lemly Ensign

Moon's phase 1st qr Dec D. 24°

Examined and found to be correct.

(Signed) C. K. Curtis Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Navy Yard Seagues Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W	E.	3		30 05	71	68	68		bc	Cum	4	A	
2			"	"	2		30 05	70	68	68		"	"	4	"	
3			"	"	2		30 05	70	67	66		"	"	4	"	
4			"	"	2		30 05	70	67	66		"	"	4	"	
5				"	2		30 02	70	67	68		bc	Cir Cum	5	"	
6				"	2		30 02	69	67	68		"	"	6	"	
7				"	1		30 02	69	68	68		"	"	6	"	
8				"	1		30 02	69	68	68		"	"	5	"	
9				NW W	2		30 02	69	69	68		"	Cir Cum	5	"	
10				"	2		30 02	69	74	72		"	"	6	"	
11				"	2		30 02	69	74	72		"	"	6	"	
Noon.				"	2		30 00	69	75	73		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1				W	NE	2		29 98	73	74	73		bc	Cum Cirr	4	
2				"	"	2		29 93	76	74	74		"	"	2	
3				"	"	1		29 91	76	73	73		oc	"	0	
4				"	"	1		29 90	75	71	71		"	"	0	
5				"	"	1		29 90	75	72	72		"	"	0	
6				"	"	1		29 90	75	72	72		"	"	0	
7				"	"	1		29 90	75	72	72		"	"	0	
8				"	"	1		29 90	75	72	72		"	"	0	
9				"	"	1		29 88	75	71	71		"	"	3	
10				"	W	1		29 86	74	71	71		bc	"	5	
11				"	NW	3		29 85	73	70	70		oc	"	2	
Mid.				"	"	3		29 85	72	69	69		"	"	0	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ashley, U. S. Navy,

Saturday October 18th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M Fair and damp with light breeze from E. Bar Steady
(Signed) C. B. T. Moore
Ensign

From 4 to 8 A M Clear and pleasant. Light breeze from E^d Engaged in unrigging ship
(Signed) L. P. Jowett
Master

From 8 A M to Merid Clear and warm Engaged in stripping ship transferring stores &c By order of Cond'g Officer released Richard Jones (Coll Steve) from confinement and confined L. Kling (B M) in solitary confinement on bread water for overstaying leave. Jas M Slobsky (1 cl) returned on board
(Signed) A. C. Lemly
Ensign

From Merid to 4 P M. Cloudy but pleasant. Bar falling Crew engaged in stripping Ship Transferred Patrick Connolly (Corp^l U. S. M C) to the Receiving ship "St Louis" (Signed) C. B. T. Moore
Ensign

From 4 to 8 P M Overcast and cloudy with indications of rain Lightning from N E. Bar steady 29.90
(Signed) A. C. Lemly
Ensign

From 8 P M to Mid Cloudy and cool with light airs from N E. to gentle breeze from N W. with occasional drizzling rain Bar falling
(Signed) C. B. T. Moore
Ensign

Moons phase 1st qr Dec D. 25°

Examined and found to be correct.

(Signed) C K Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate, 6 Guns,

Navy Yard League Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			Secured to Wharf	A Ht	3		29 85	70	69	67		ord	Strat	0	S	
2			"	"	3.5		29 85	70	69	67		ord q	"	0	"	
3			"	"	3.5		29 85	70	69	67		"	"	0	"	
4			"	"	3		29 85	70	69	60		ord	"	0	"	
5			"	"	2		29 85	70	61	60		oc	Str Strat	0	"	
6			"	"	2		29 85	70	61	60		"	"	0	"	
7			"	"	2		29 87	65	61	60		oc	Cum Str	4	"	
8			"	"	4		29 89	64	61	61		"	"	5	"	
9			"	"	4		29 93	64	62	62		"	"	5	"	
10			"	"	4		29 95	66	63	64		"	"	7	"	
11			"	A N Ht	4		29 97	66	65	64		"	"	6	"	
Noon.			"	"	4		29 97	66	65	64		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1			Secured	A Ht	4		29 97	68	67	65		oc	Cum Strat	6	S	
2			to Wharf	A A Ht	4		29 97	68	67	65		"	"	6	"	
3			"	A	4		29 98	68	68	66		"	"	6	"	
4			"	A A Ht	4		29 98	66	67	66		"	"	6	"	
5			"	A	4		30 05	66	62	61		"	Cum	8	"	
6			"	"	4		30 07	62	58	56		"	"	8	"	
7			"	"	4		30 07	61	54	52		"	"	8	"	
8			"	"	3		30 07	60	52	50		f	None	10	"	
9			"	"	4		30 13	62	52	52		"	"	10	"	
10			"	A A Ht	4.5		30 13	63	50	50		"	"	10	"	
11			"	"	4.5		30 13	61	49	49		"	"	10	"	
Mid.			"	"	3		30 13	60	49	48		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. A. Ashby, U. S. Navy,

Sunday October 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a M. Overcast wet and disagreeable Gentle to stiff breeze from N W. Light squalls during 2d & 3d hour. Bar steady 29.85

(Signed) C. L. Bruns
Midshipman

From 4 to 8 A M Overcast and cloudy but pleasant. Bar steady 29.85

(Signed) A. C. Lemly
Ensign

From 8 A M to Merid Fair and cool with moderate breeze from N W to N N W. Bar steady Ebb tide

(Signed) C. P. T. Moore
Ensign

From Merid to 4 P M Cloudy and pleasant. Moderate breeze from N W to N. At 1 sent visiting party to U. S. S. "St Louis" Bar steady 29.98

(Signed) C. L Bruns
Midshipman

From 4 to 8 P M. Clear and cool with moderate to gentle breeze from N. Bar steady Sea smooth

(Signed) C. P. T. Moore
Ensign

From 8 P M to Mid Clear cool and pleasant. Gentle to stiff breeze from N to N N W. occasional light squalls during 2d & 3d hours Bar 30.03

(Signed) C L Bruns
Midshipman

Moond Chase 1st qr Dec. N. 25°

Examined and found to be correct

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,
Navy Yard Long Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1				Calm	0		30 13	60	49	48		bm	Strus	10	1	
2				"	0		30 13	60	49	48		"	"	10	"	
3				"	0		30 13	60	47	46		"	"	10	"	
4				"	0		30 13	60	47	46		"	"	10	"	
5				"	0		30 16	60	47	46		bg	"	10	"	
6				"	0		30 19	60	47	46		"	"	10	"	
7				"	0		30 22	60	47	46		"	"	10	"	
8				"	0		30 23	60	47	46		"	"	10	"	
9				S.E	2		30 23	60	50	50		"	"	10	"	
10				"	3		30 23	61	53	52		"	"	10	"	
11				"	3							"	"	10	"	
Noon.				"	3							"	"	10	"	

Distance run by Log since preceding Noon ____ knots ____ fathoms.
Latitude by D. R. at Noon ____ ° ____ ′ ____ ″
Longitude by D. R. at Noon ____ ° ____ ′ ____ ″
Latitude by Observations at Noon ⊙ ____ ° ____ ′ ____ ″
Longitude by Chronometer from Forenoon Observations ⊙ ____ ° ____ ′ ____ ″
Current during the time ____ knots ____ fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise ____ ° ____ ′ ____ ″
Variation of the Compass by Azimuth ⊙ observed at ____ ° ____ ′ ____ ″
Water expended during the preceding 24 hours ____ gallons.
Water ____ during the preceding 24 hours ____ "
Water remaining on hand fit for use at Noon ____ "
Coal consumed during the preceding 24 hours ____ tons ____ lbs.
Coal remaining on hand at Noon ____ " ____ "

P. M.																
1				A H	2							bg	Strus	10	1	
2				"	2							"	"	10	"	
3				"	2							"	"	10	"	
4				"	2							"	"	10	"	
5				W by N	3							"	"	10	"	
6				"	3							"	"	10	"	
7				"	2							"	"	10	"	
8				"	2							"	"	10	"	
9				A H	2							"	"	10	"	
10				"	2							"	"	10	"	
11				"	1							"	"	10	"	
Mid.				"	1							"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ____ ° ____ ′ ____ ″
Longitude by Chronometer from Observations * ____ ° ____ ′ ____ ″
Variation of the Compass by Amplitude ____ observed at sunset ____ ° ____ ′ ____ ″
Variation of the Compass by ____ at ____ ° ____ ′ ____ ″

under the command of Commander W. A. Ashley, U. S. Navy,

Monday October 30th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m Clear, damp, cool, and calm.

(Signed) L. P. Jouett
Master

From 4 to 8 A M. Clear calm and cool Par crsing Engaged in hoisting out provisions

(Signed) C. P. P. Moore
Ensign

From 8 A M to Merid Clear and pleasant. Light to gentle breeze from S.E. Engaged in discharging ship Barometer and thermometer sent on shore

(Signed) C. L. Bruns
Midshipman

From Merid. to 4 P M Clear and pleasant Light breeze from N W Engaged in hoisting out battery and chains

(Signed) L. P. Jouett
Master.

From 4 to 8 P M Clear hazy and pleasant. Light to gentle breeze from W by N.

(Signed) C. L. Bruns
Midshipman

From 8 P M to Mid Clear and cold Light breeze from N W.

(Signed) L. P. Jouett
Master

Moons phase 1st qr Dec. D. 23°

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Navy Yard League Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Noon.																

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Mid.																

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander W. A. Ashley, U. S. Navy,

Tuesday October 21st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear Calm and cold

(Signed) C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and partially overcast. Light breezes from N. and W by N. Engaged in getting out battery.

(Signed) C. L. Brooks
Midshipman

From 8 A.M to Merid Cloudy and cool Light breezes from W. Engaged in getting out battery By order of Comdg Officer J. L. Kelly (M.) was released from confinement

(Signed) L. P. Jouett
Master

From Merid to 4 P.M. Cloudy but pleasant. with light breezes from S. Sent a party of Apprentices on leave of absence till Dec 1st 1879.

(Signed) C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy and overcast with rain last two hours. Calm

(Signed) L. P. Jouett
Master

From 8 P.M to Mid

(Signed)
Lieut

Moons phase 1st qr. Dec 1. 28h

Examined and found to be correct.

(Signed) C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Navy Yard League Island

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Noon.																

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise °. ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
Mid.															

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander H. L. Schley, U. S. Navy,

Wednesday October 22d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M. Overcast and pleasant. Very damp. Light breeze from S.E.

(Signed) C. L. Bruns
Midshipman

From 4 to 8 a M.

Cloudy and overcast with drizzling rain

Signed
L. P. Jouett
Master

8 A.M. To Meridian

Cloudy with drizzling rain - At 10-5-0 put the Ship out of commission

Signed
C. K. Curtis
Lieut.

Approved & Commanded
H. L. Schley
Comdr. Comdg

Moons phase 1st qr. Dec S. 16°

Examined and found to be correct. (Signed) C K Curtis Lieut

Navigator.